

FIG. 1 is a graph showing Yield (BOE/ton) versus Temperature (T in °C). The curve shows a sharp increase in yield starting around 250°C, reaching a plateau of approximately 3.5 BOE/ton between 300°C and 400°C, and then a slight decrease towards 500°C. The graph is divided into three regions by vertical lines at approximately 250°C and 400°C. Region 1 is from 0 to 250°C, Region 2 is from 250 to 400°C, and Region 3 is from 400 to 500°C. The yield is approximately 0.5 BOE/ton in Region 1, 3.5 BOE/ton in Region 2, and 3.0 BOE/ton in Region 3.

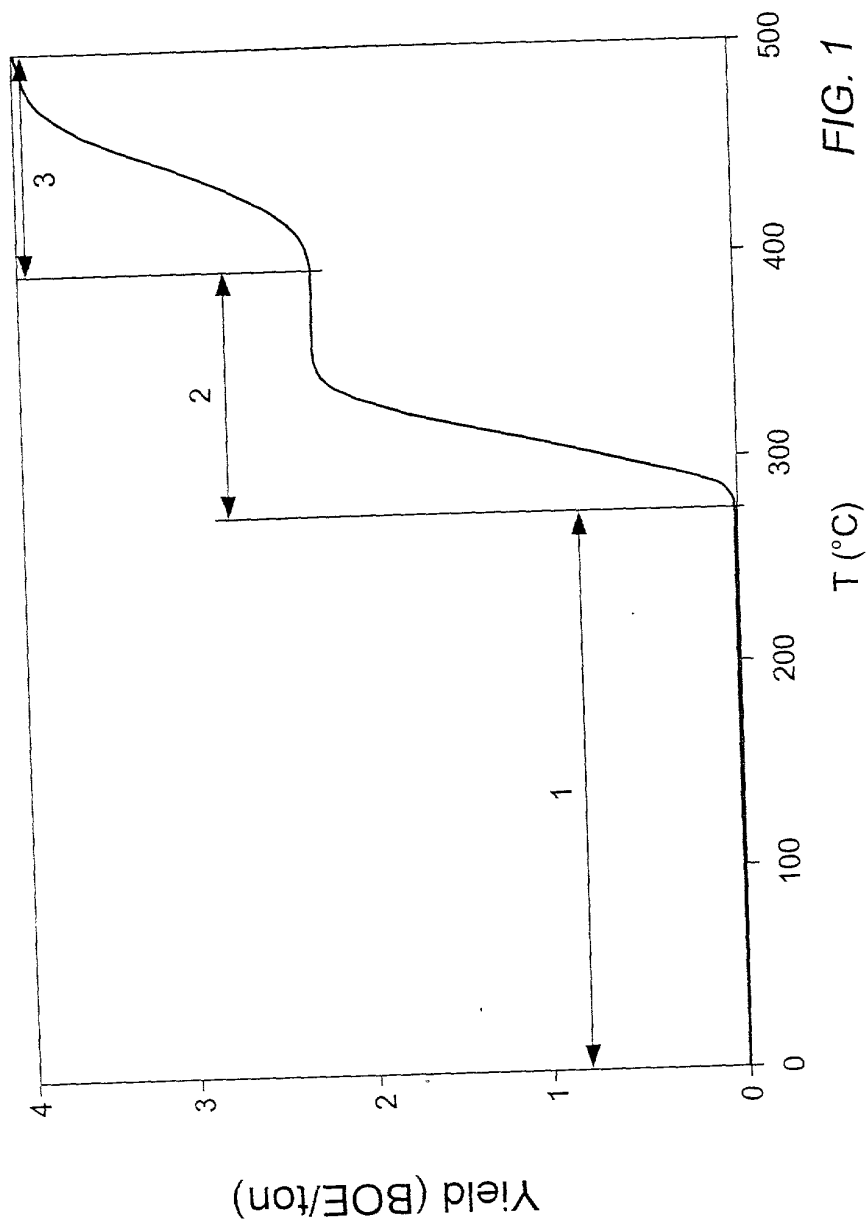


FIG. 1

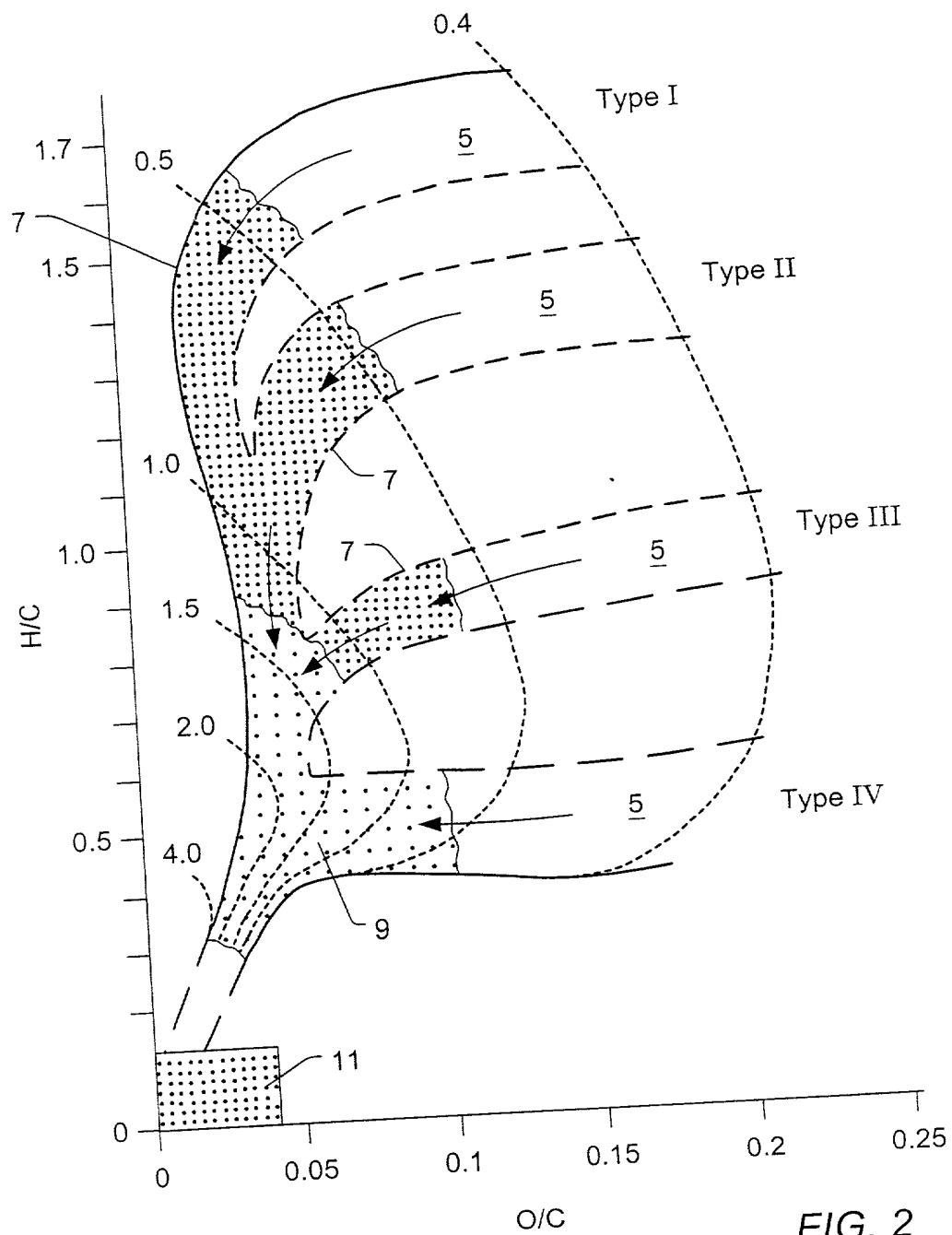


FIG. 2

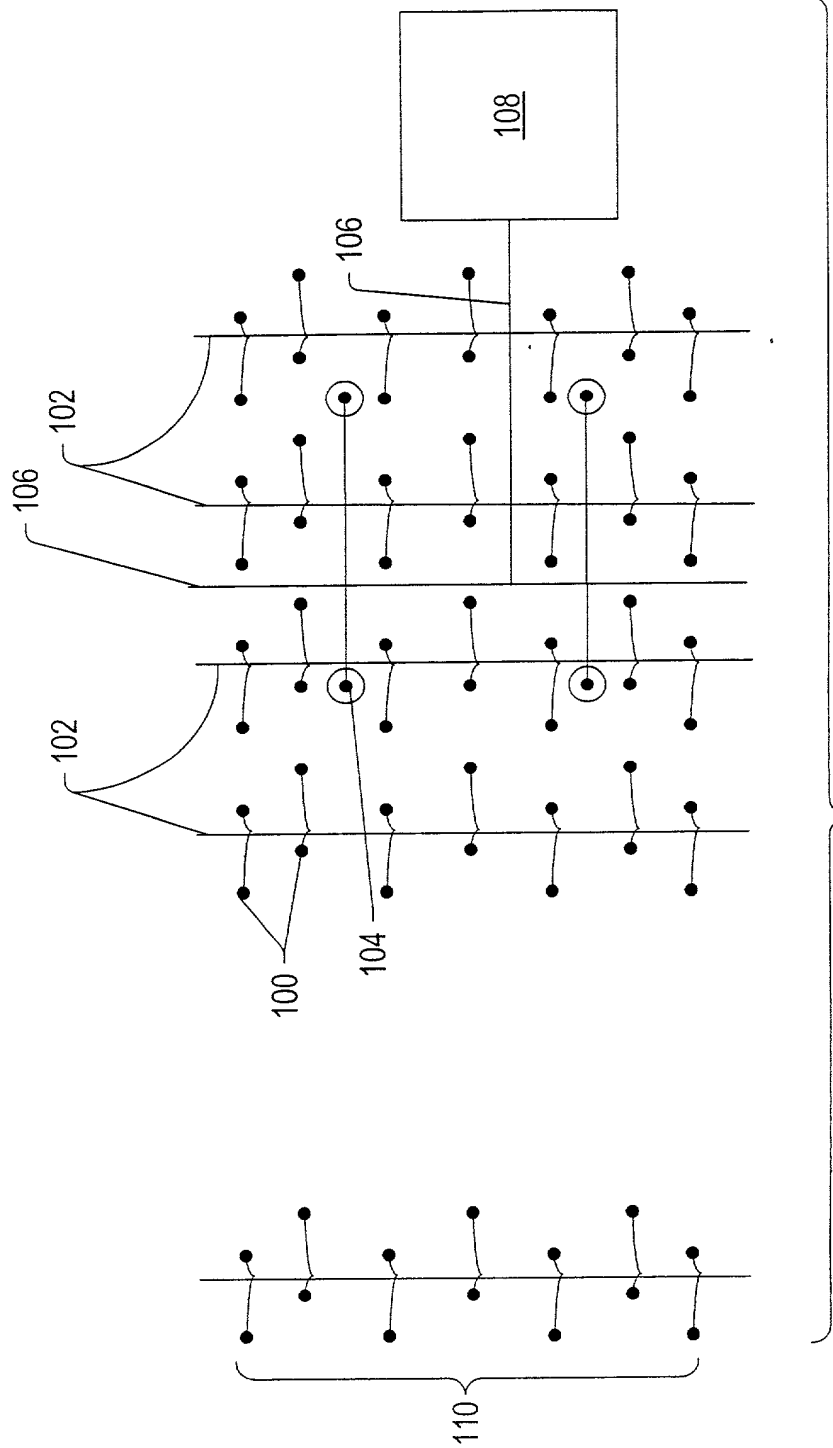


FIG. 3

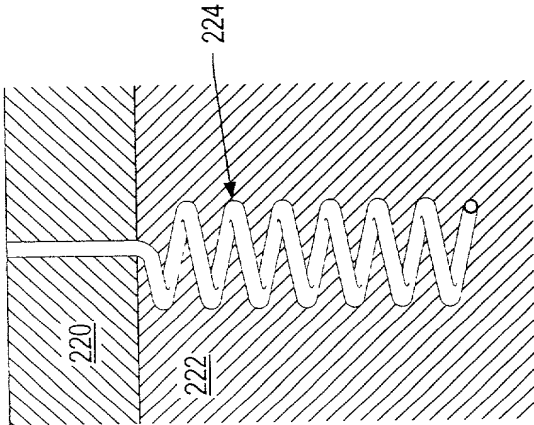


FIG. 3a

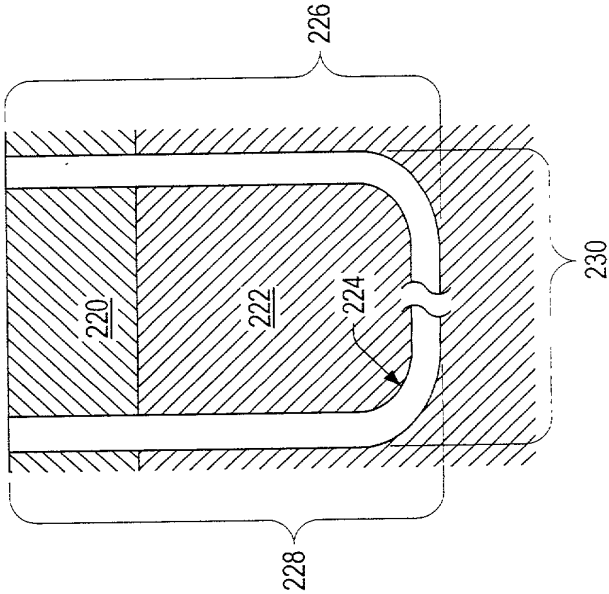


FIG. 3b

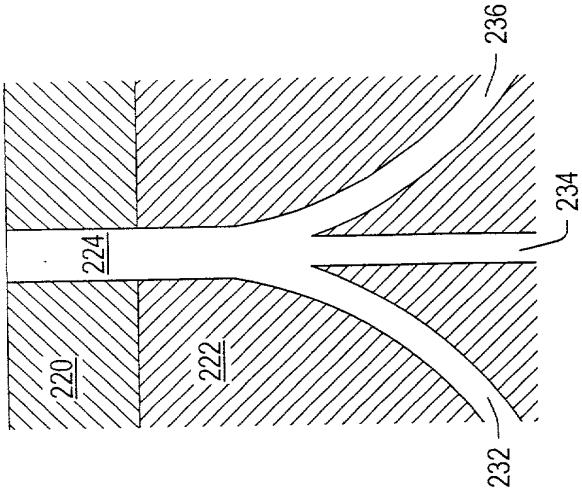


FIG. 3c

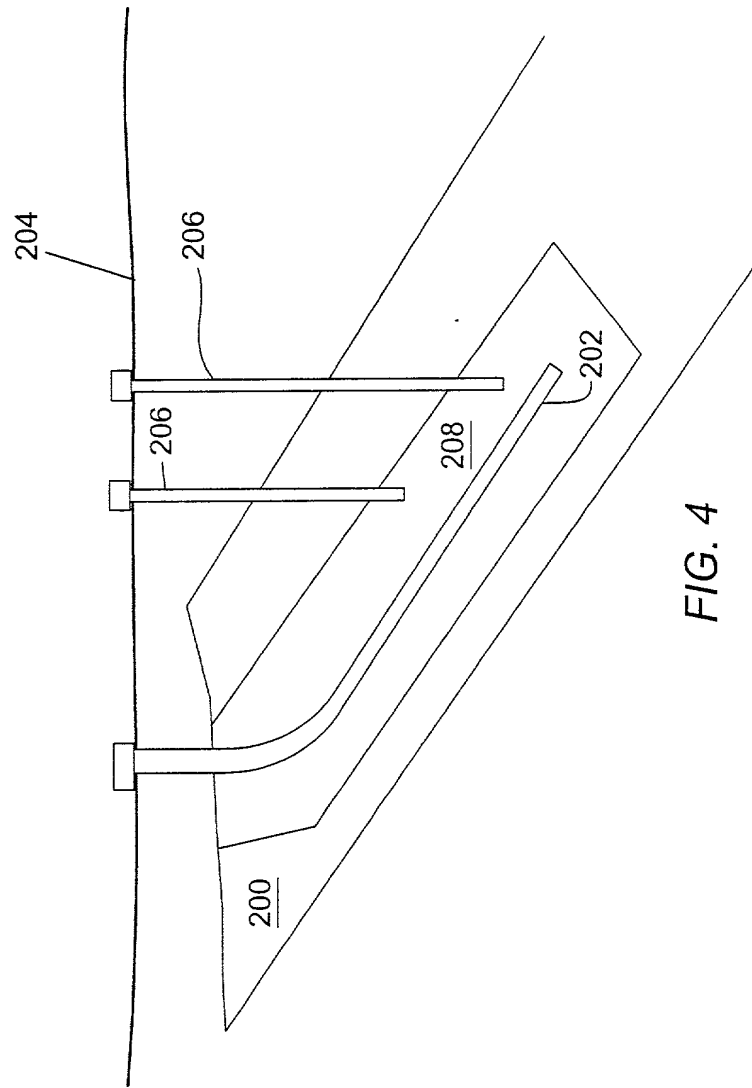
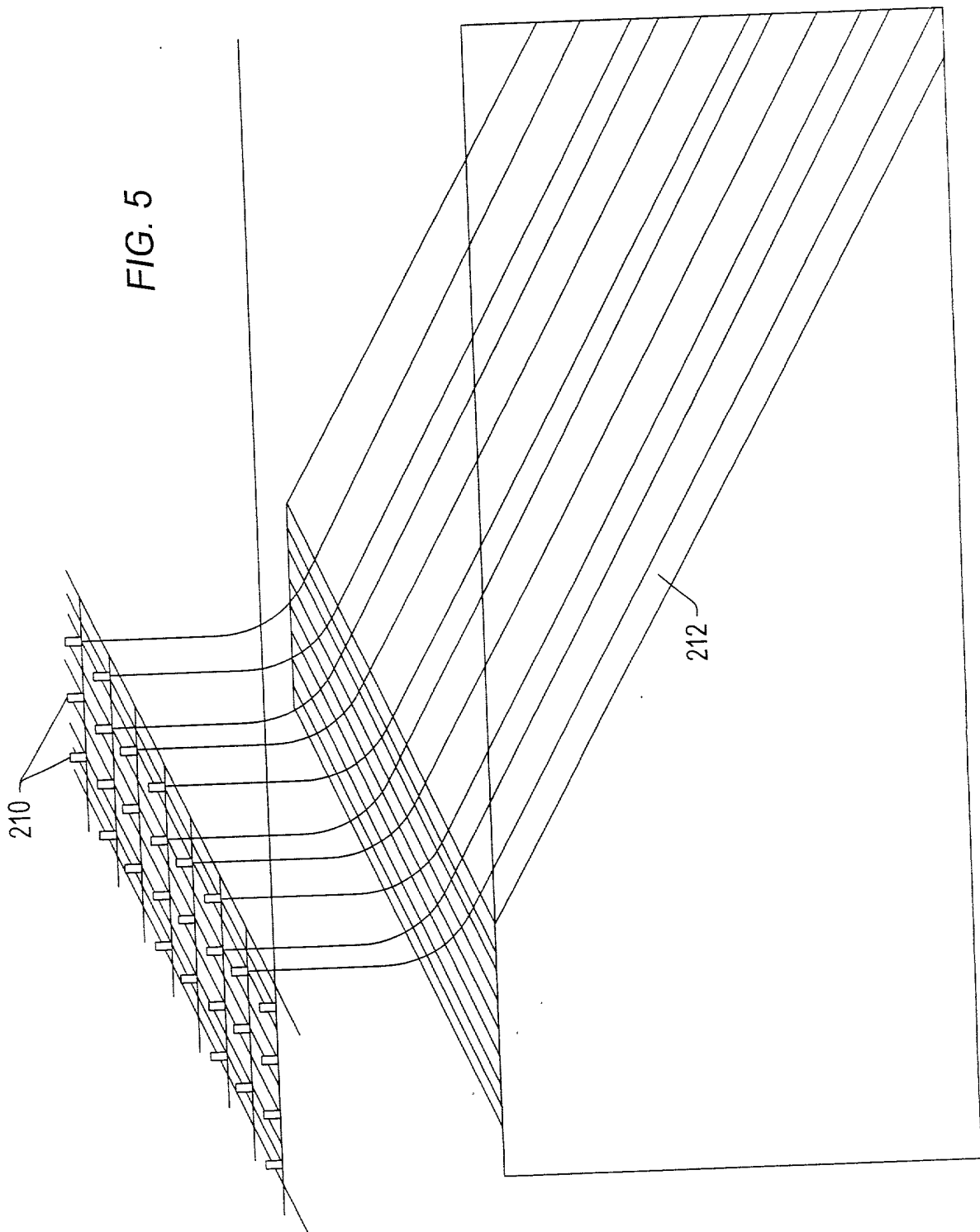


FIG. 4



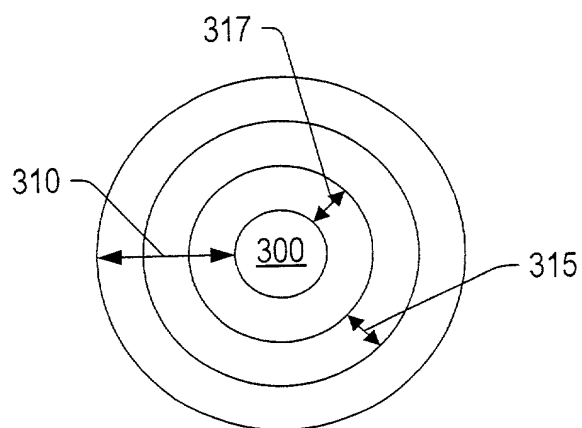


FIG. 6

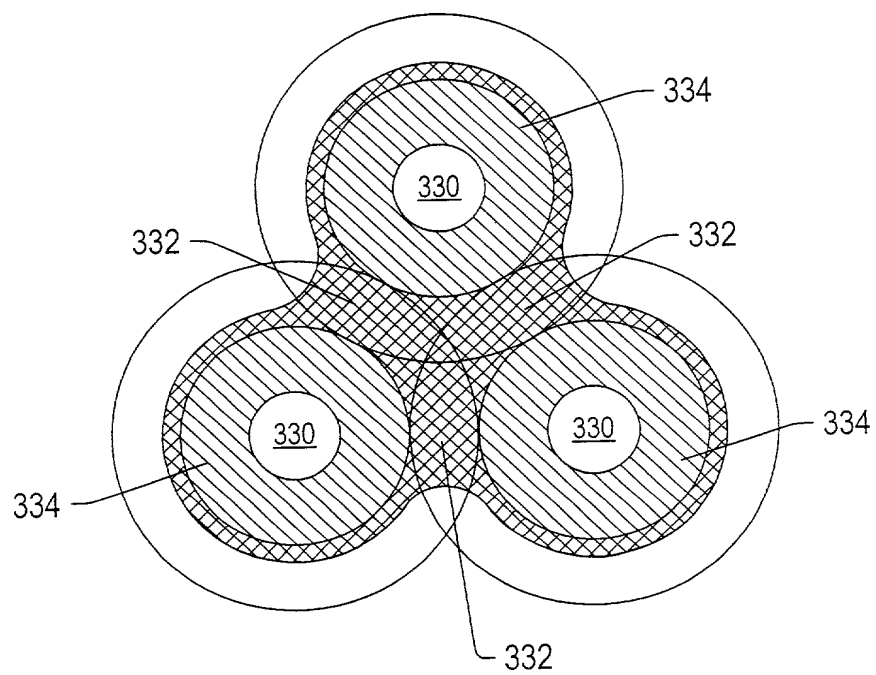


FIG. 7

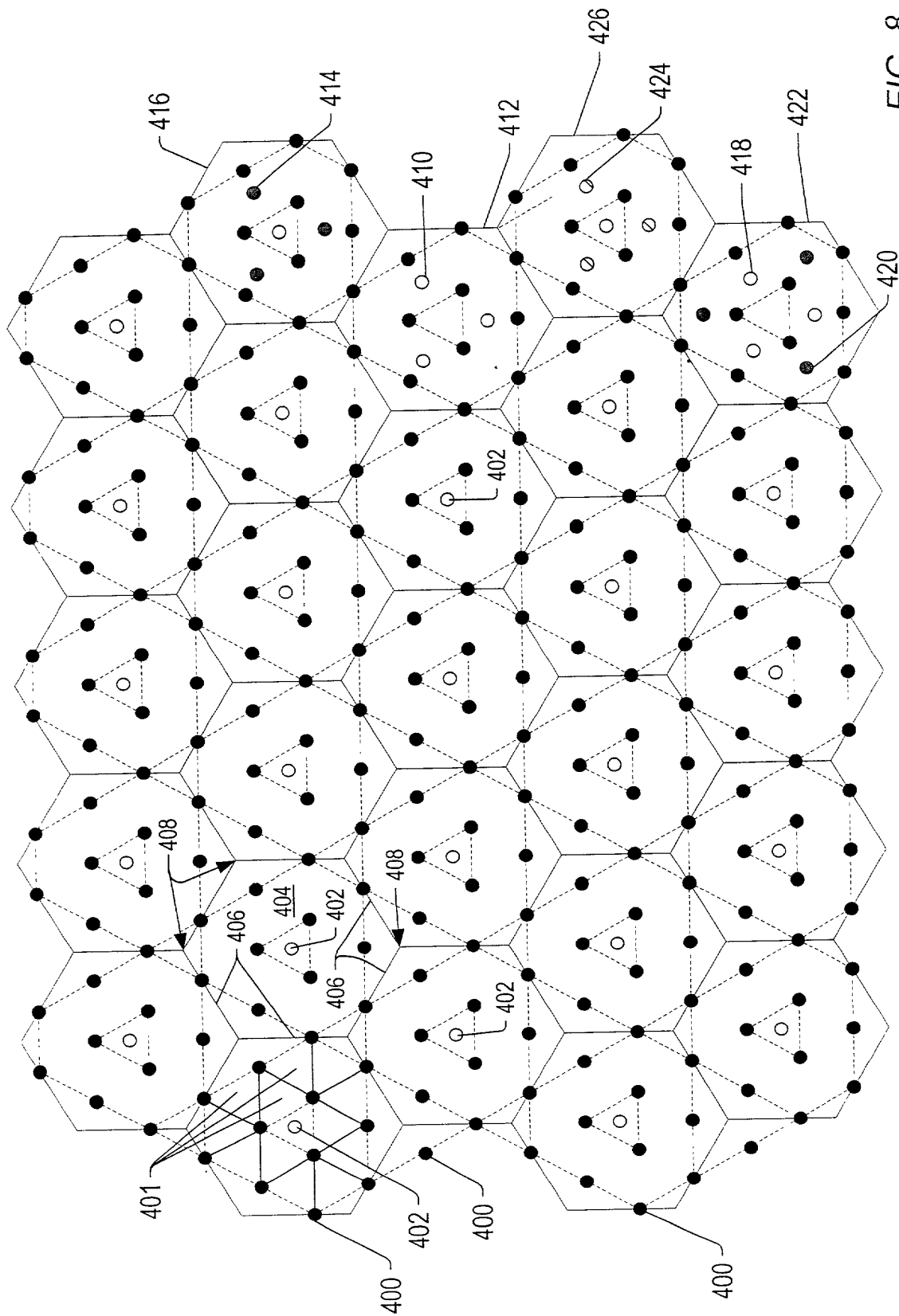


FIG. 8

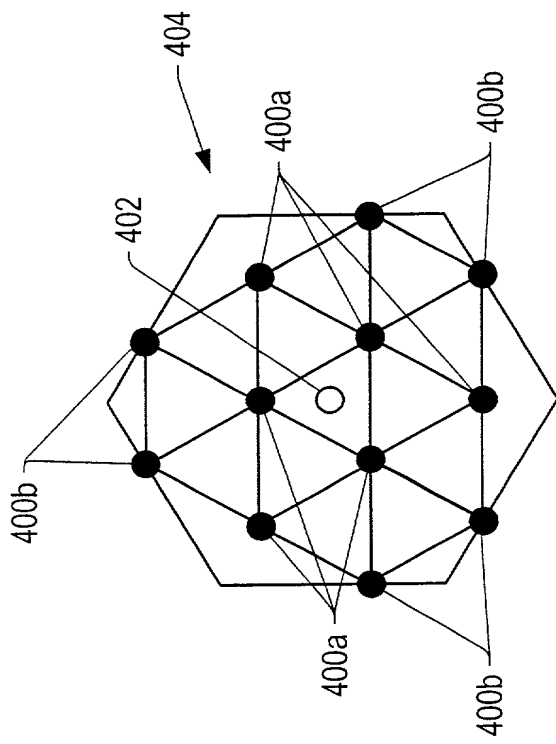


FIG. 9

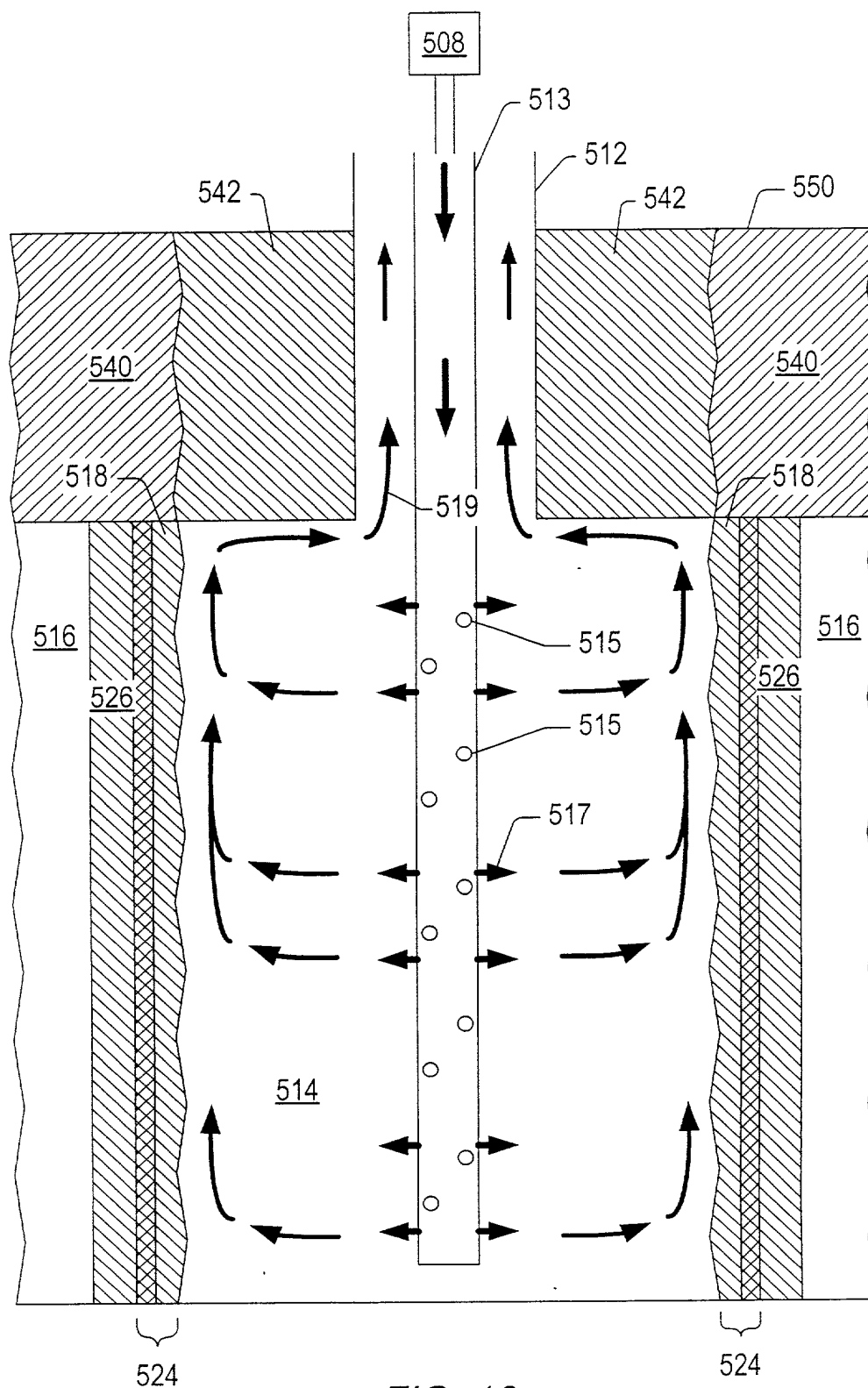


FIG. 10

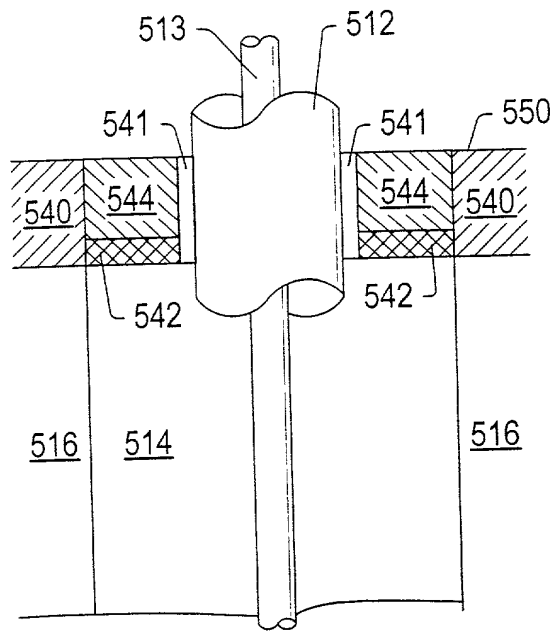


FIG. 11

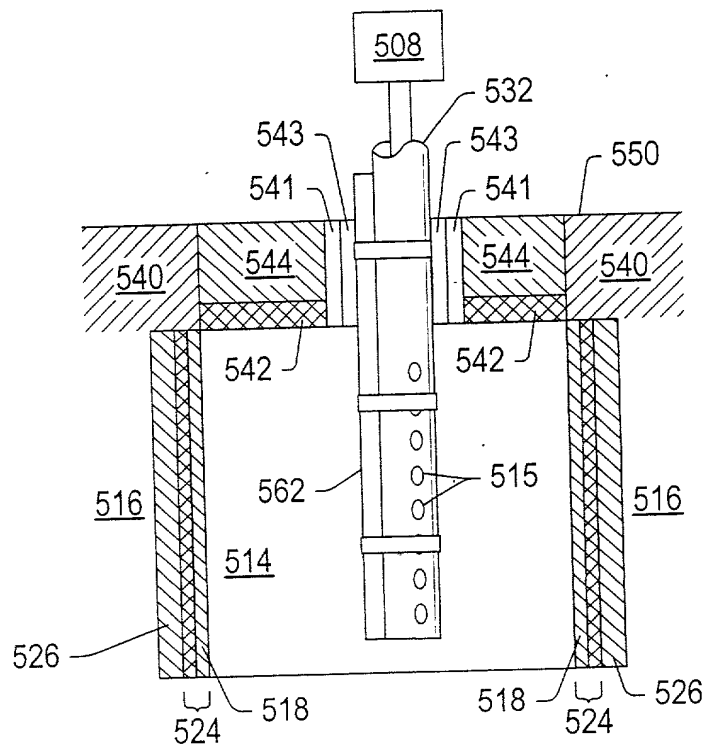


FIG. 12

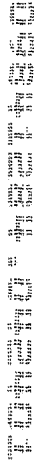
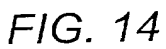


FIG. 14



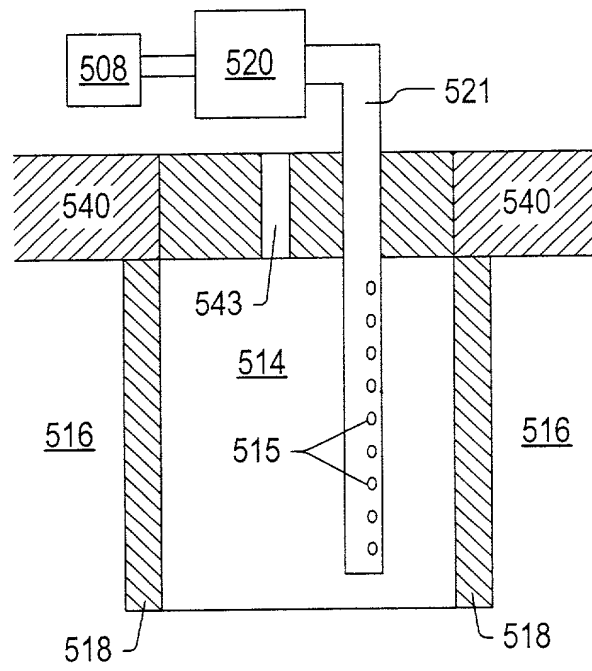


FIG. 15

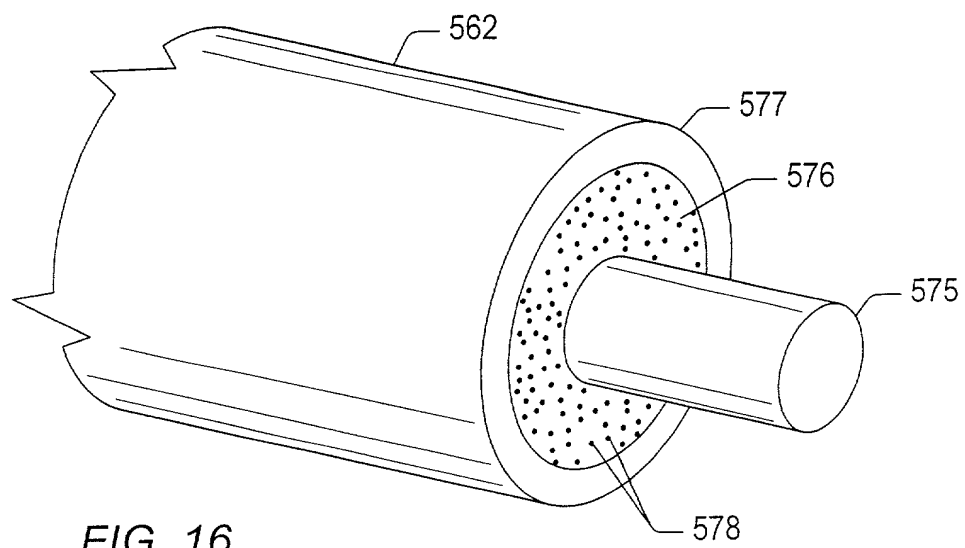


FIG. 16

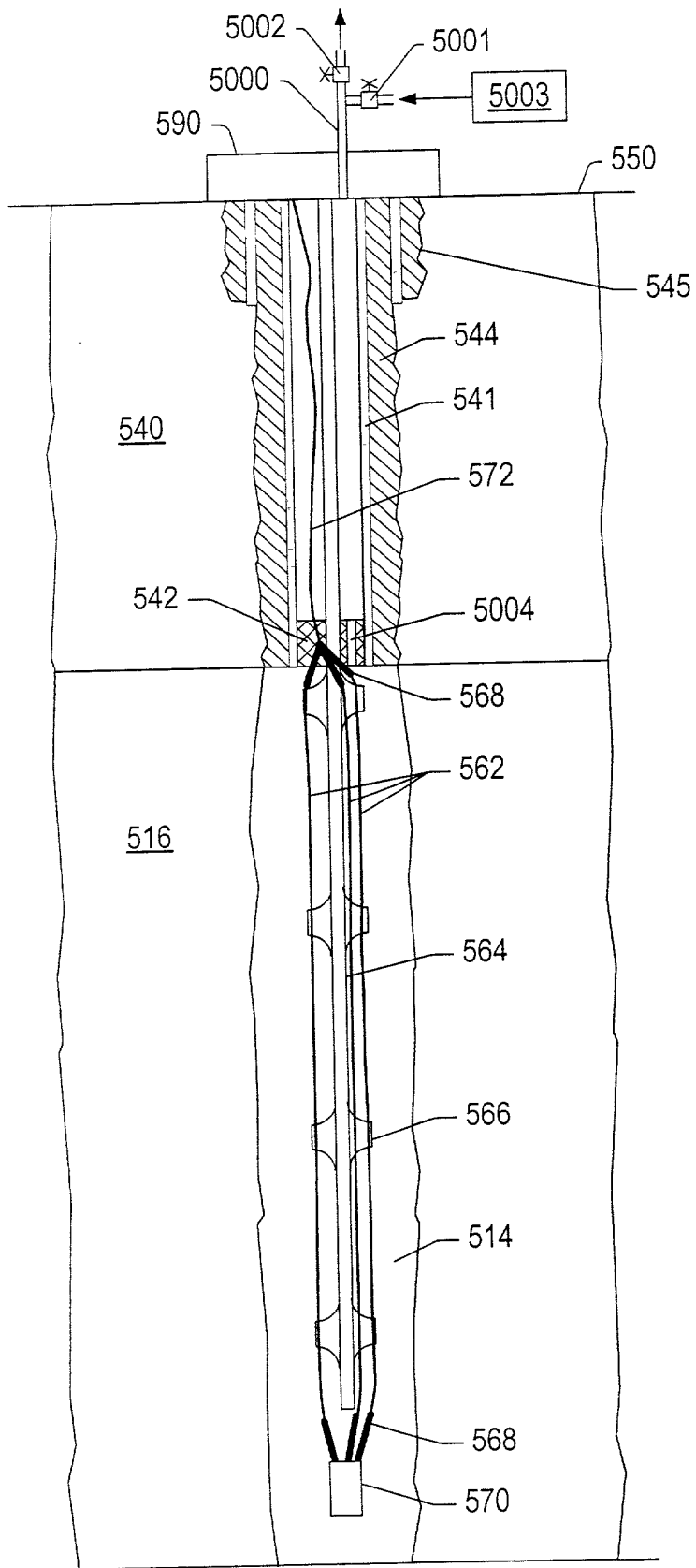


FIG. 17

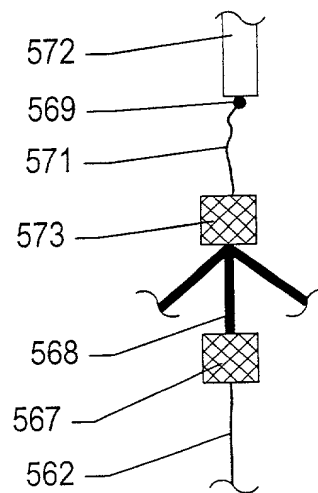


FIG. 17A

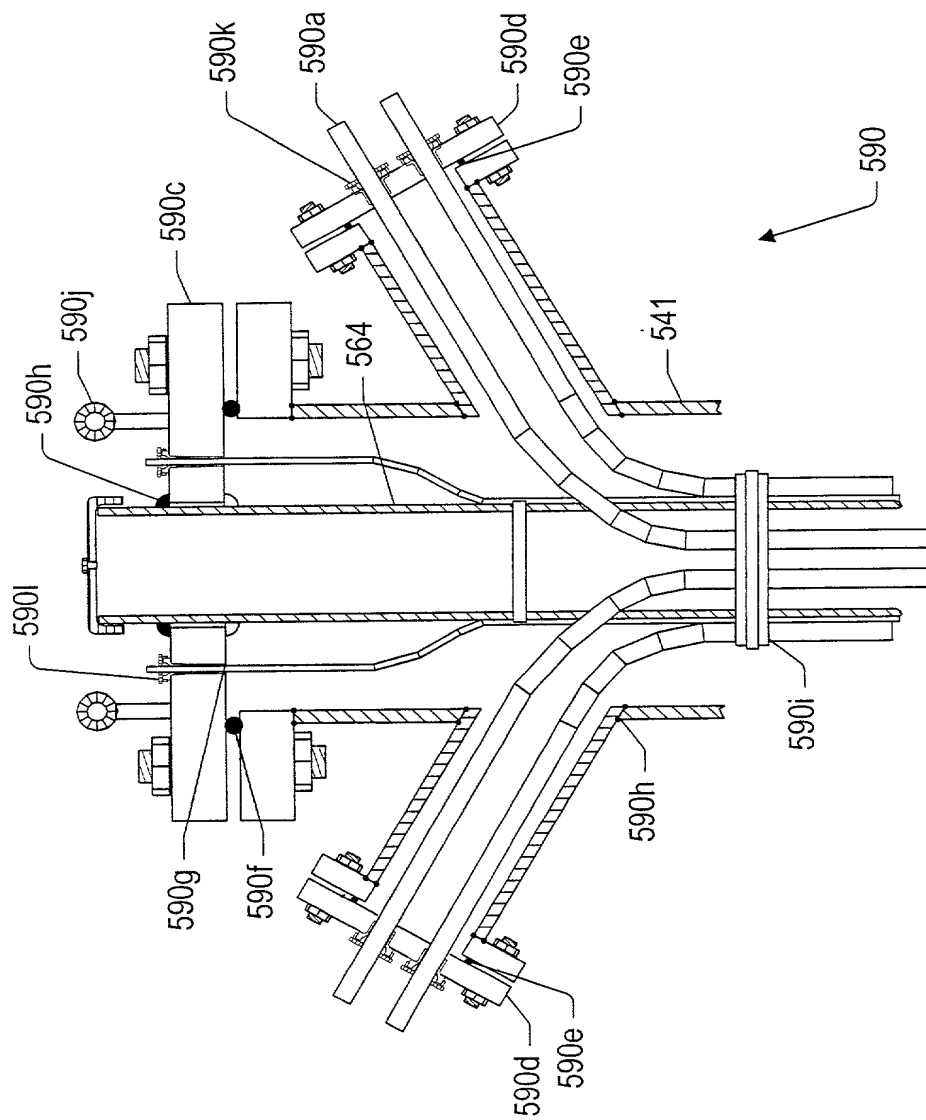


FIG. 18

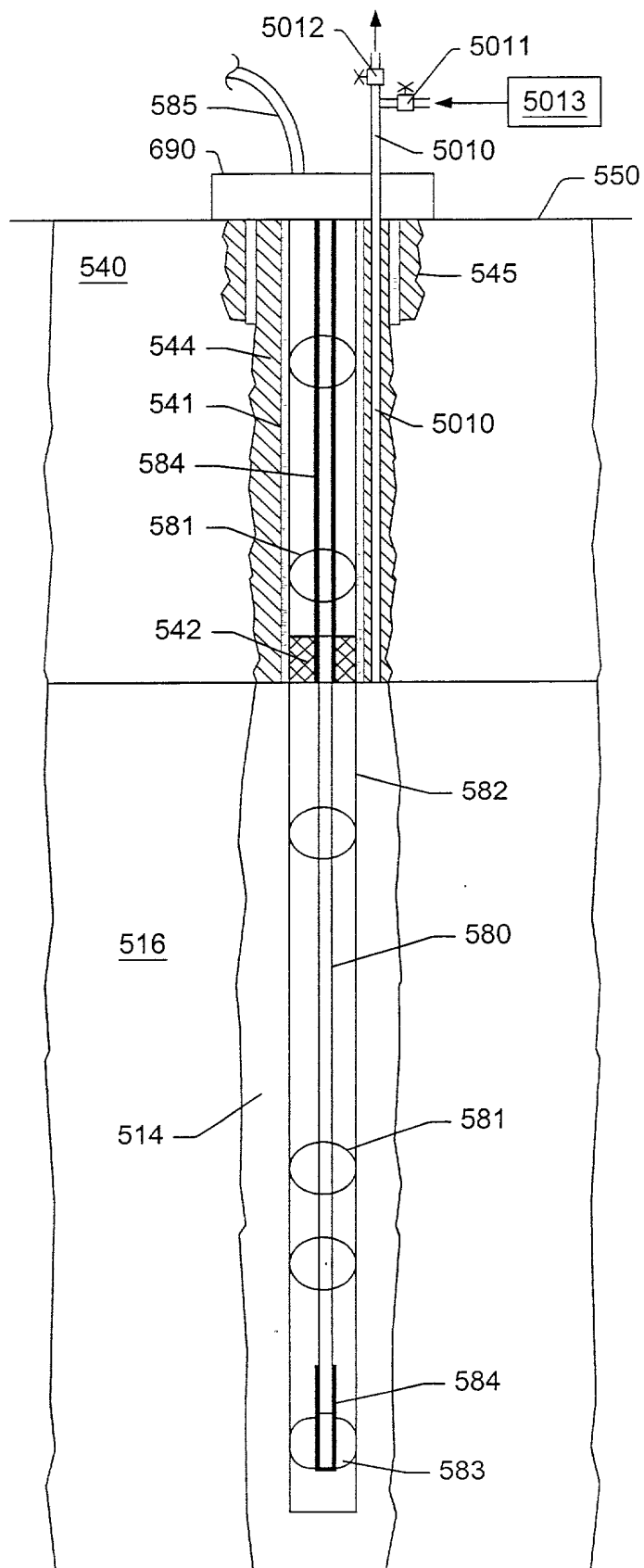


FIG. 19

FIG. 20 is a cross-sectional view of the device 100, showing the internal components and the external housing 102. The device 100 includes a central shaft 104, a handle 106, and a distal tip 108. The handle 106 is connected to the shaft 104 via a joint 110. The distal tip 108 is located at the end of the shaft 104. The device 100 is shown in a cross-sectional view, with the internal components labeled 104, 106, 108, 110, and 112. The external housing 102 is shown in a cross-sectional view, with the internal components labeled 104, 106, 108, 110, and 112. The device 100 is shown in a cross-sectional view, with the internal components labeled 104, 106, 108, 110, and 112. The external housing 102 is shown in a cross-sectional view, with the internal components labeled 104, 106, 108, 110, and 112.

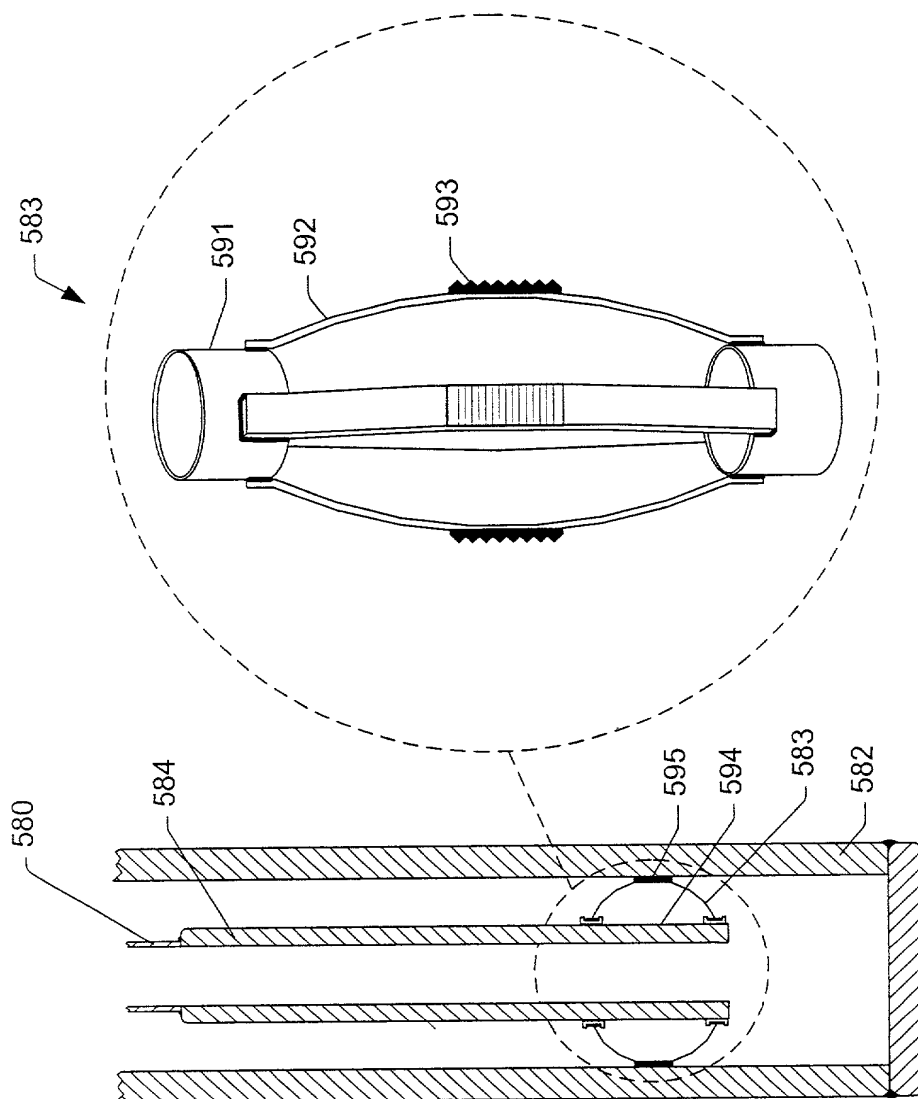


FIG. 20

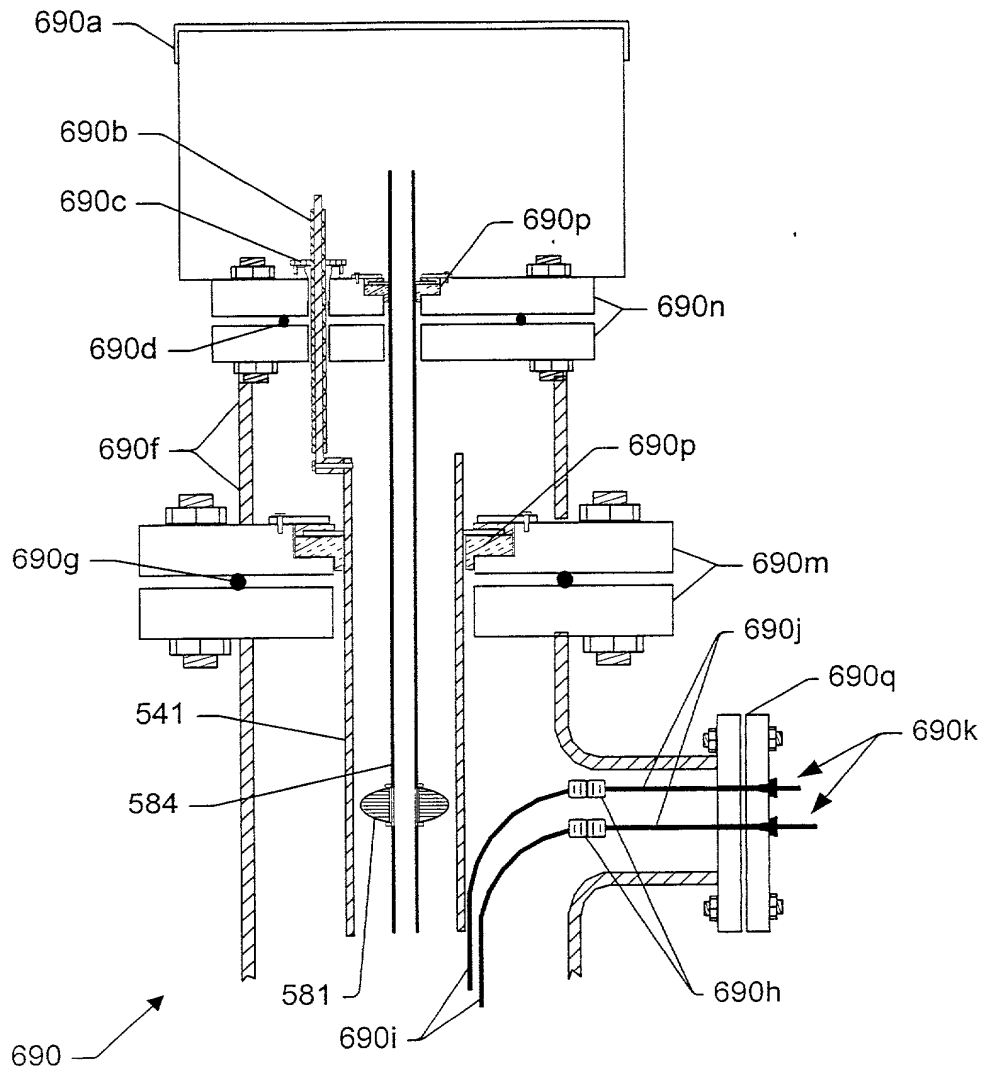


FIG. 21

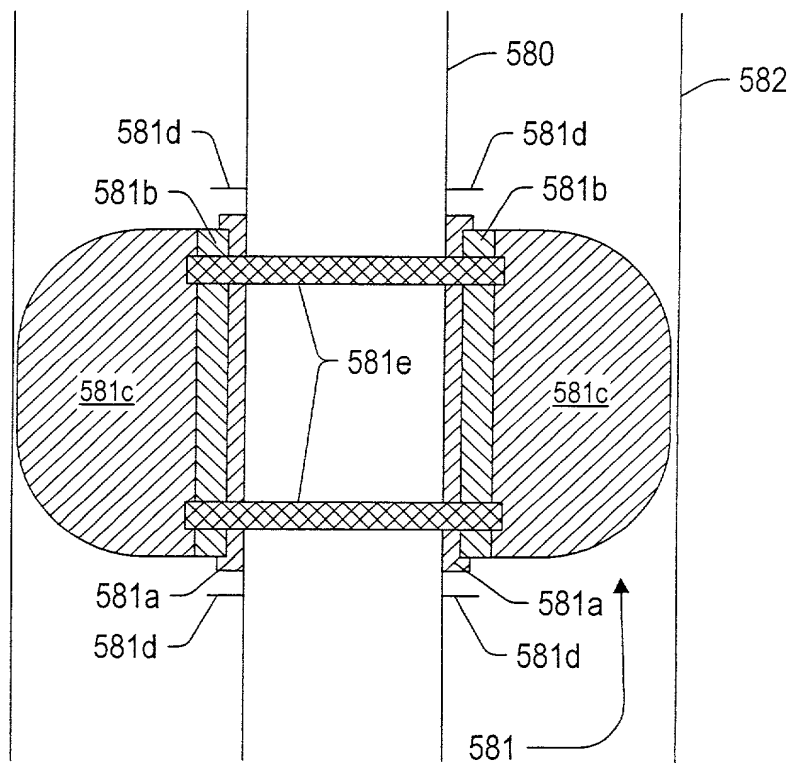


FIG. 22

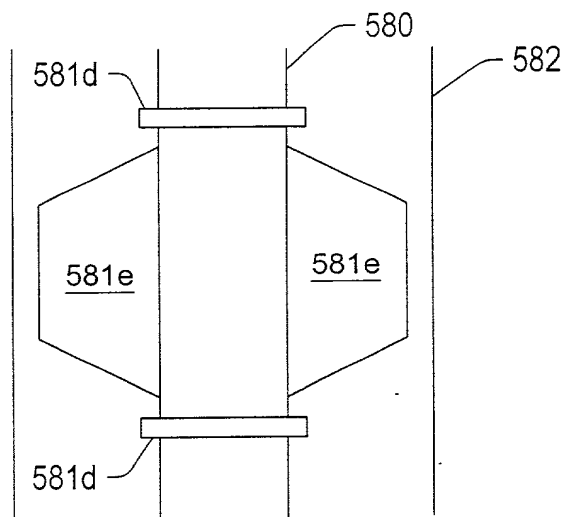


FIG. 23a

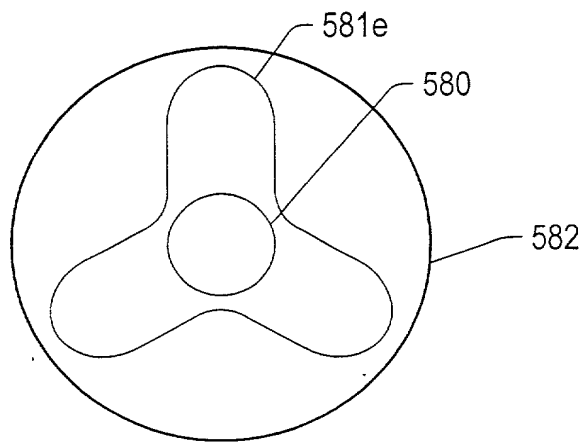


FIG. 23b

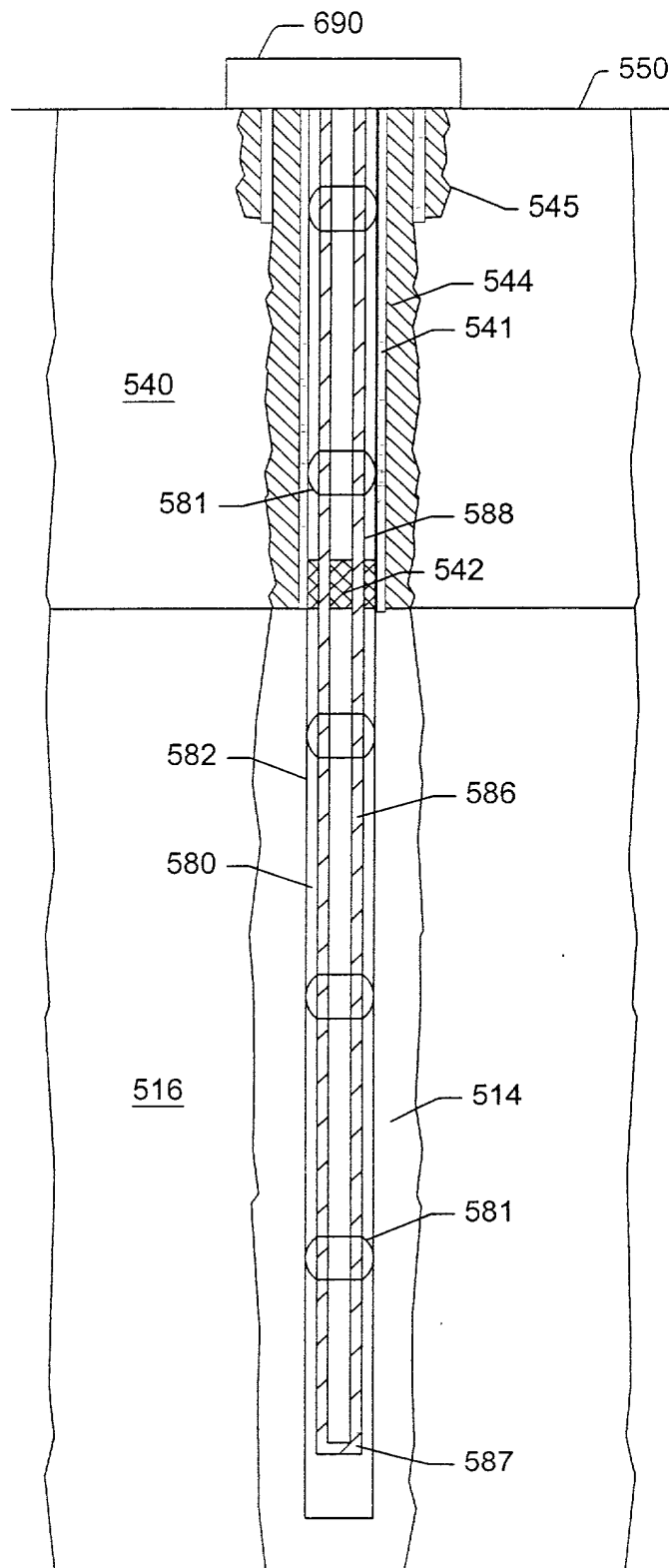


Fig. 24

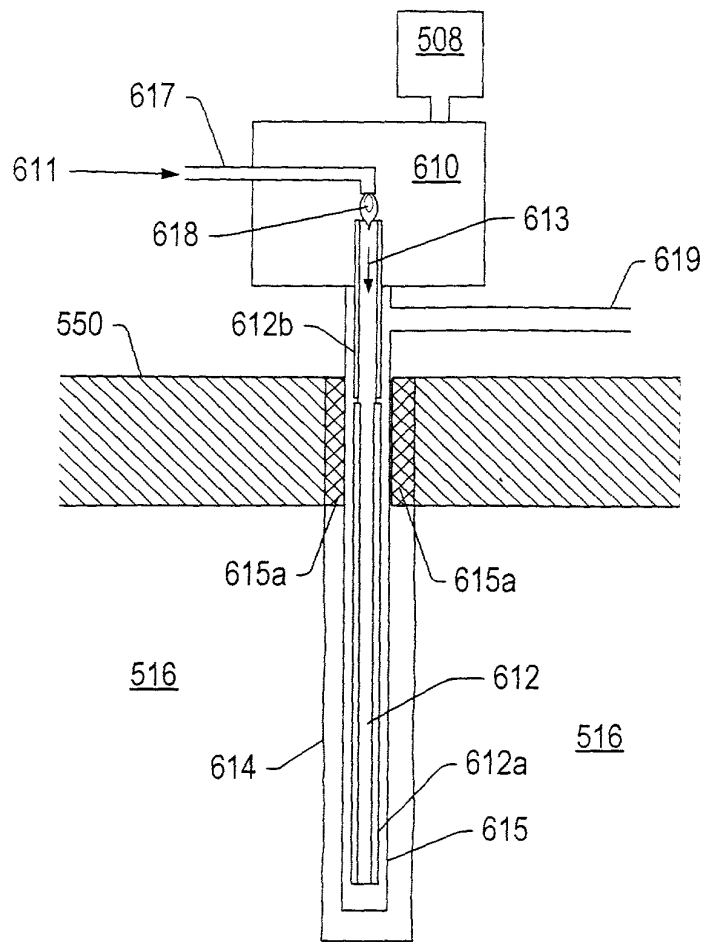


FIG. 26

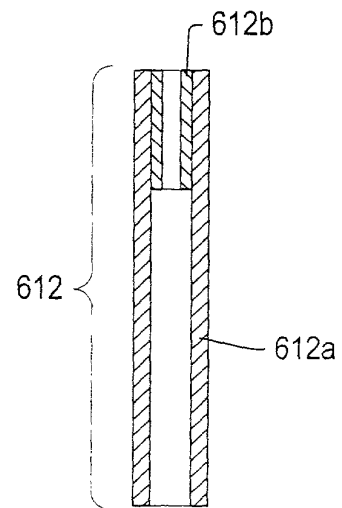


FIG. 27

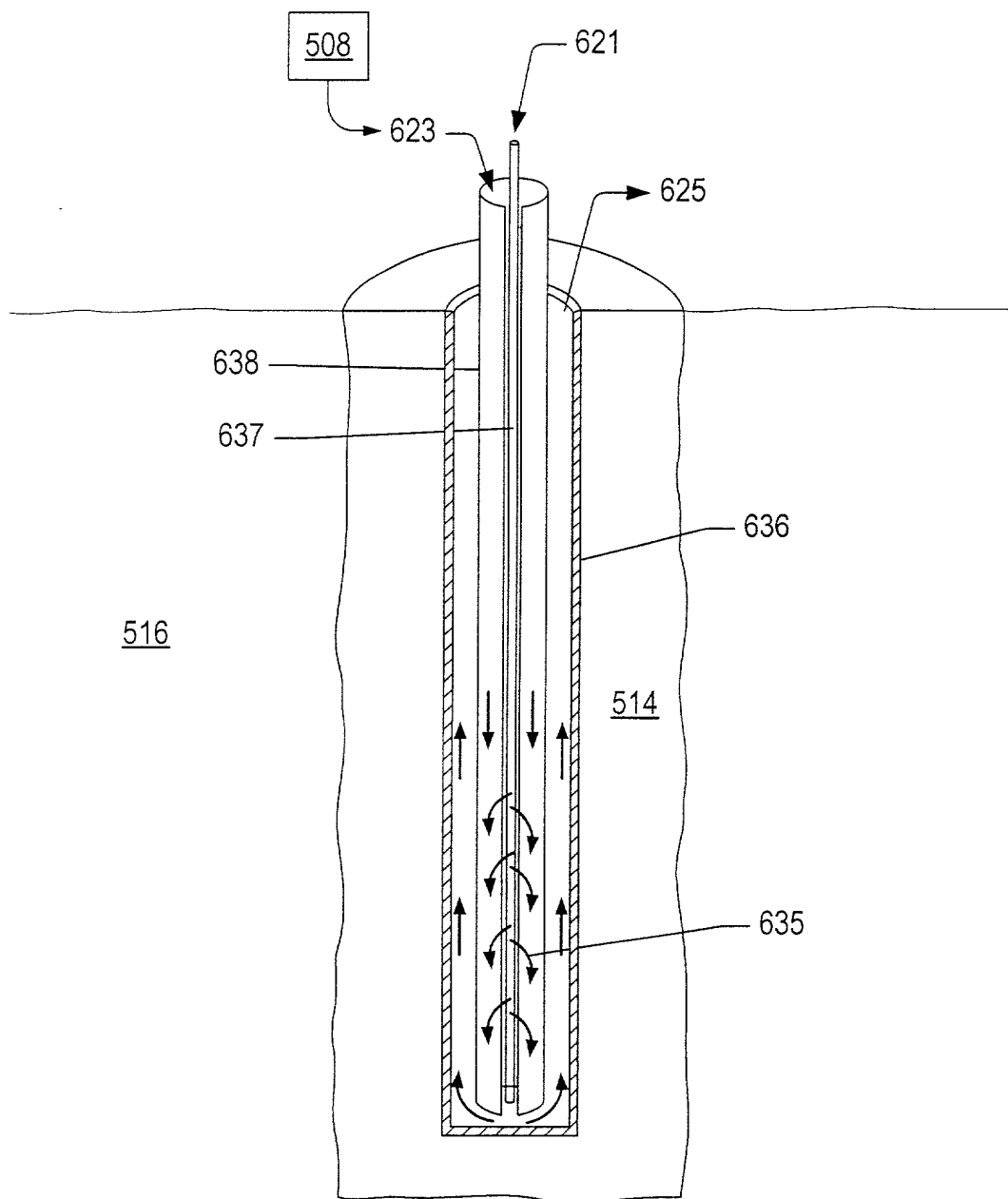


FIG. 28

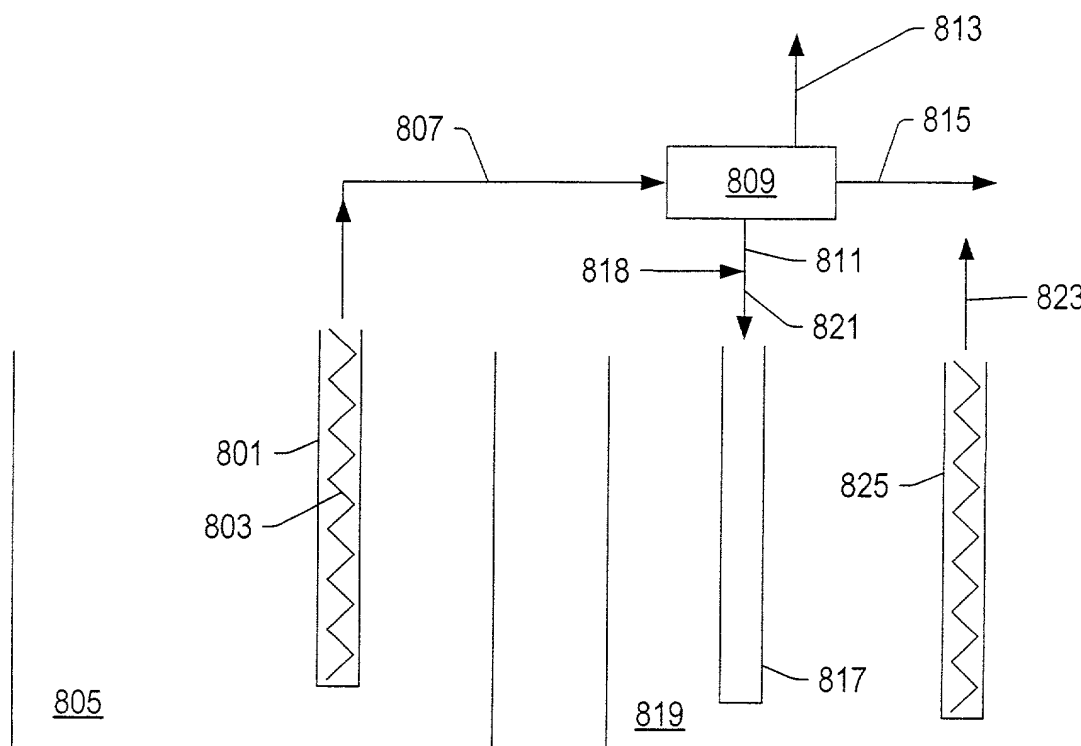


FIG. 29

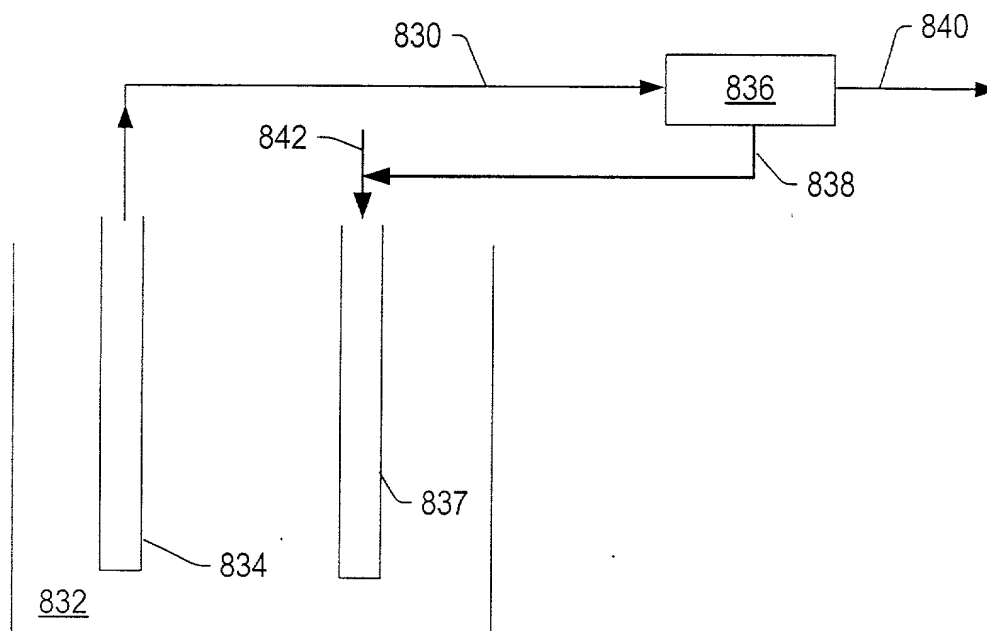


FIG. 30

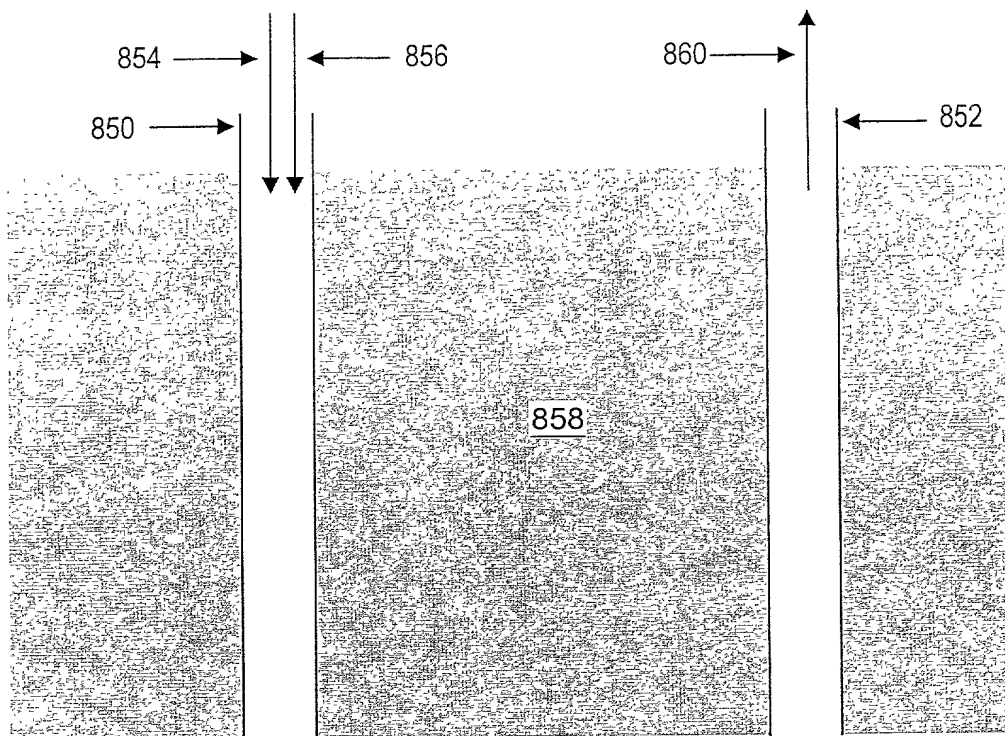


FIG. 31

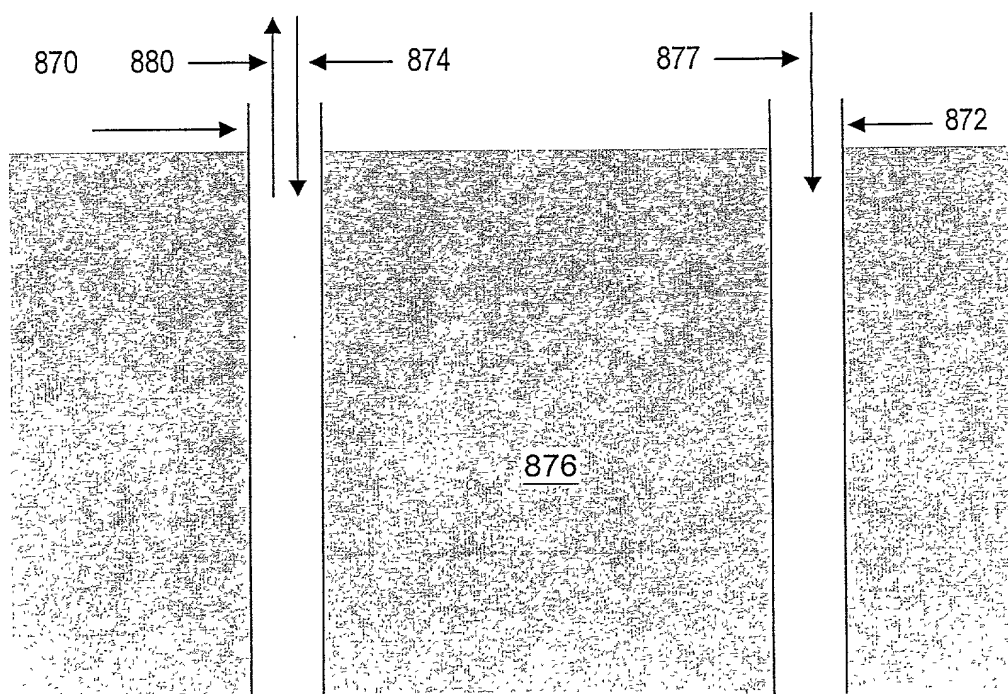
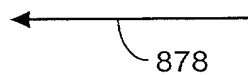


FIG. 32



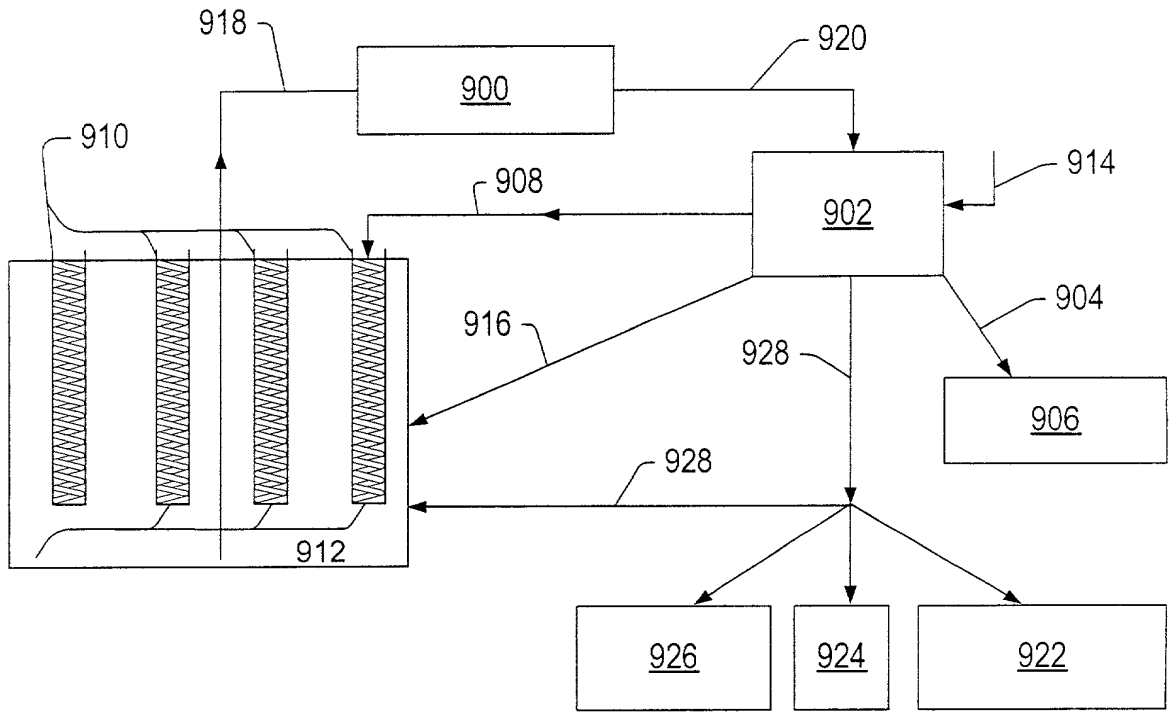


FIG. 33

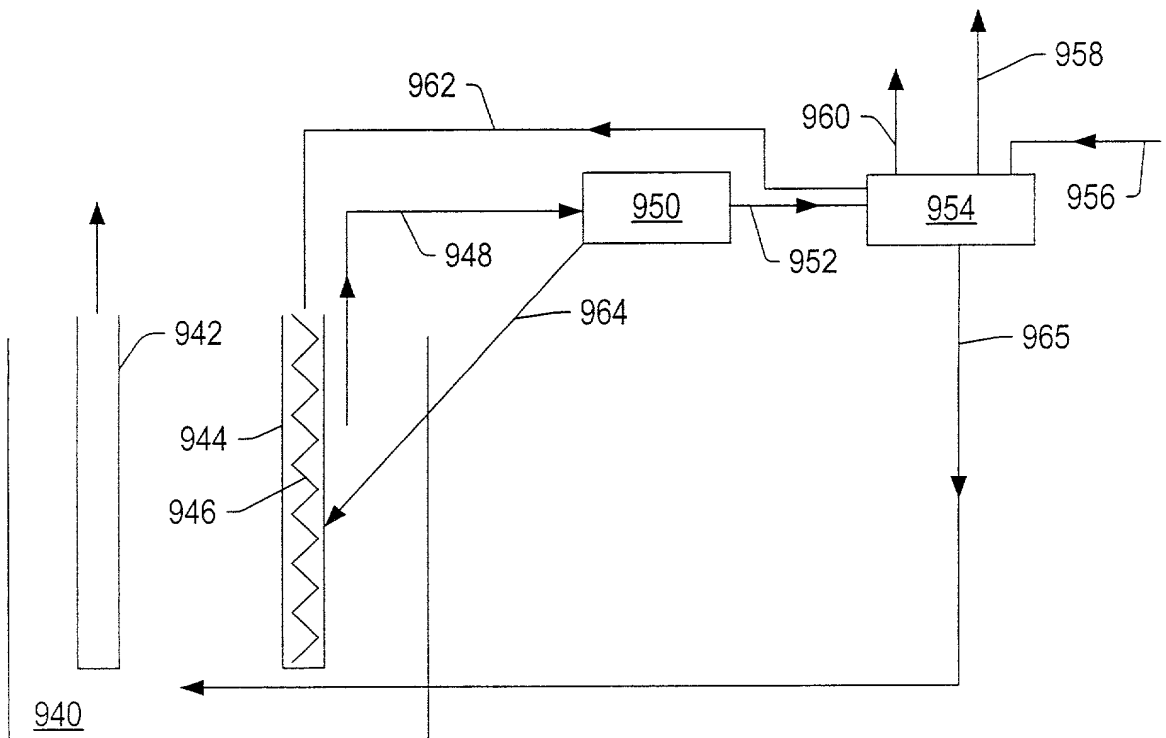


FIG. 34

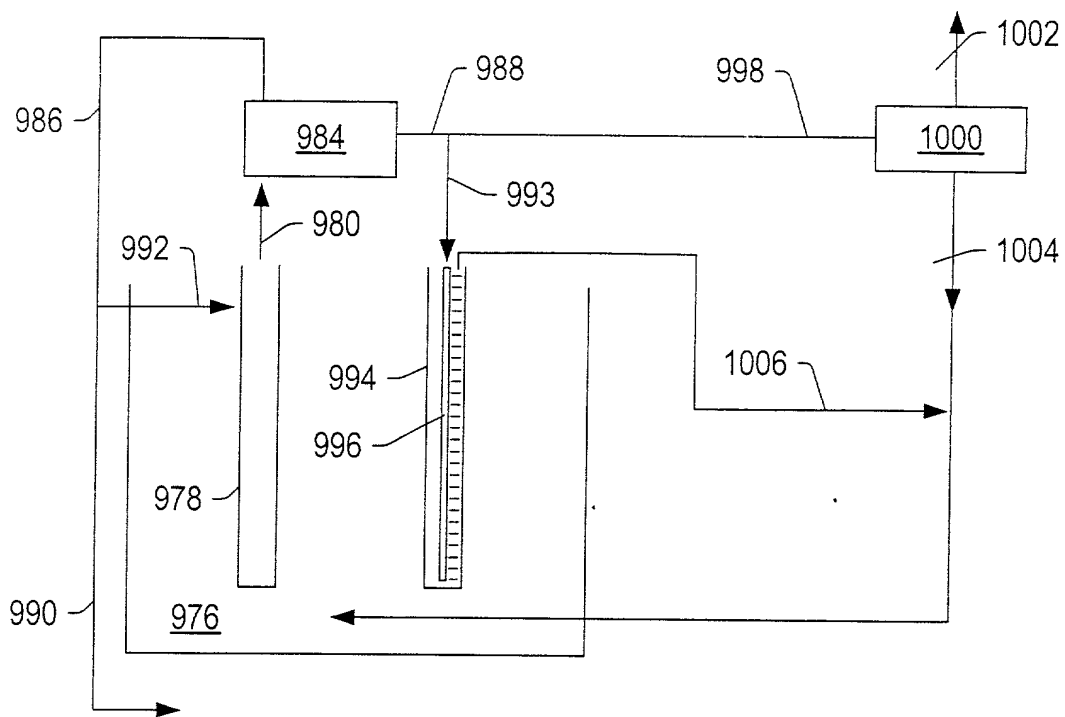


FIG. 35

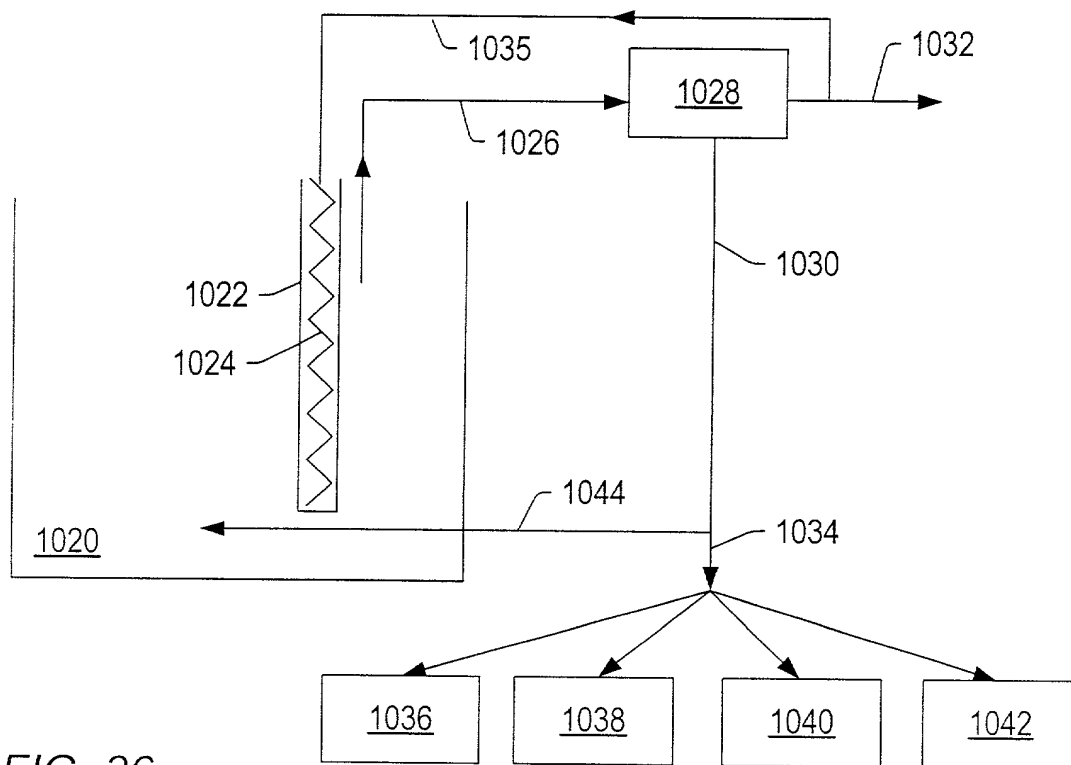


FIG. 36

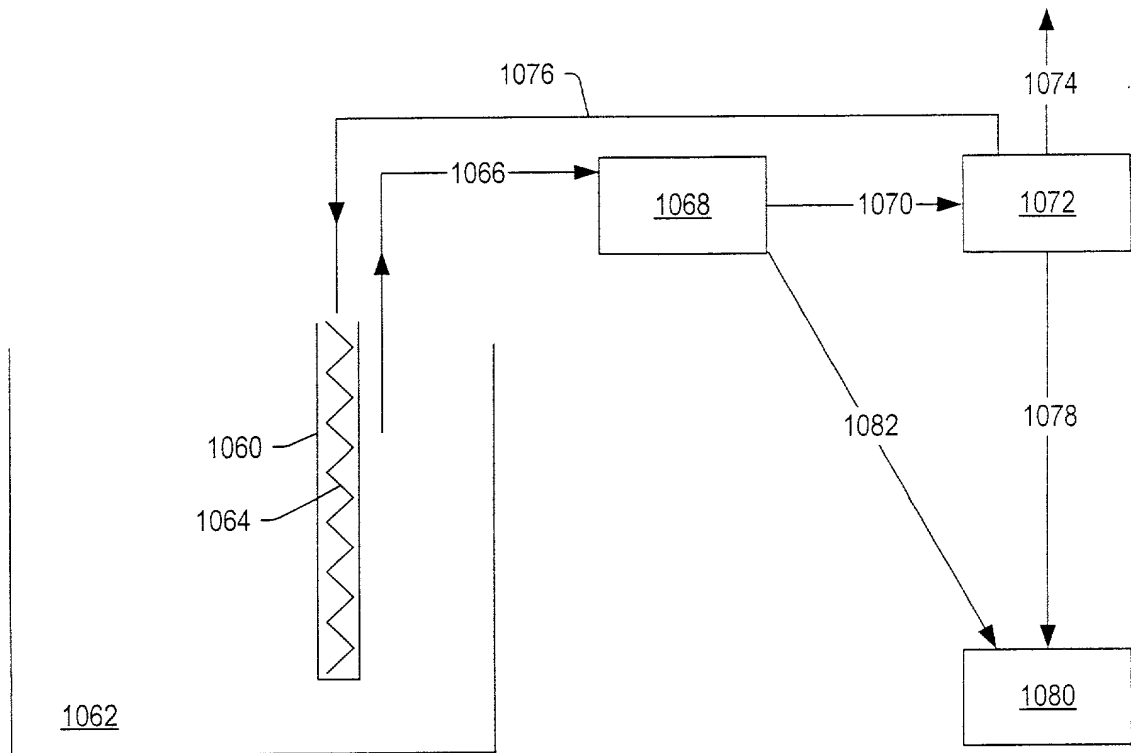


FIG. 37

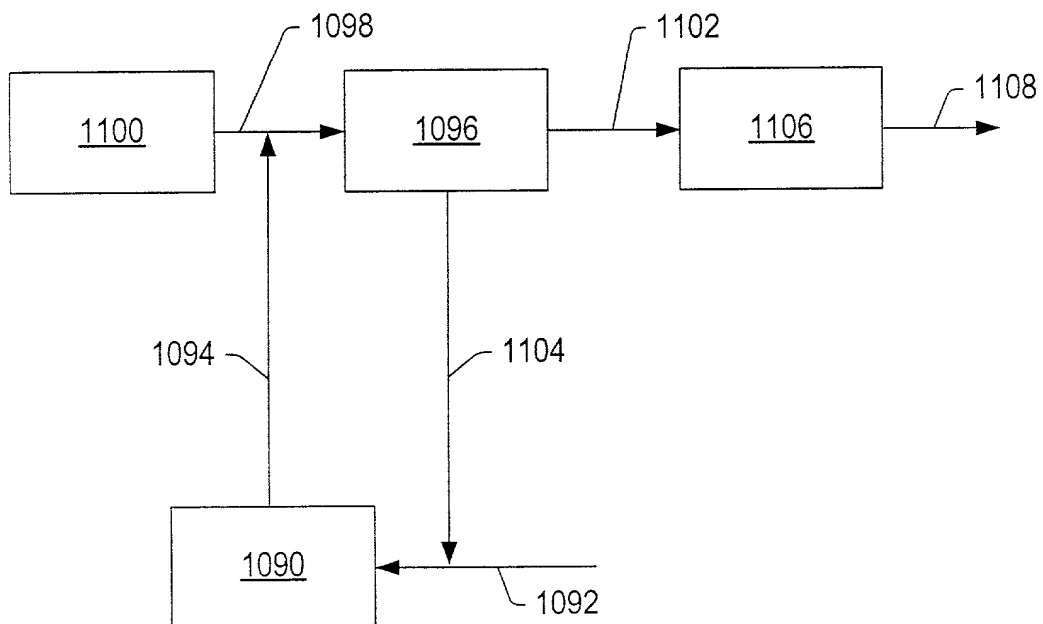


FIG. 38

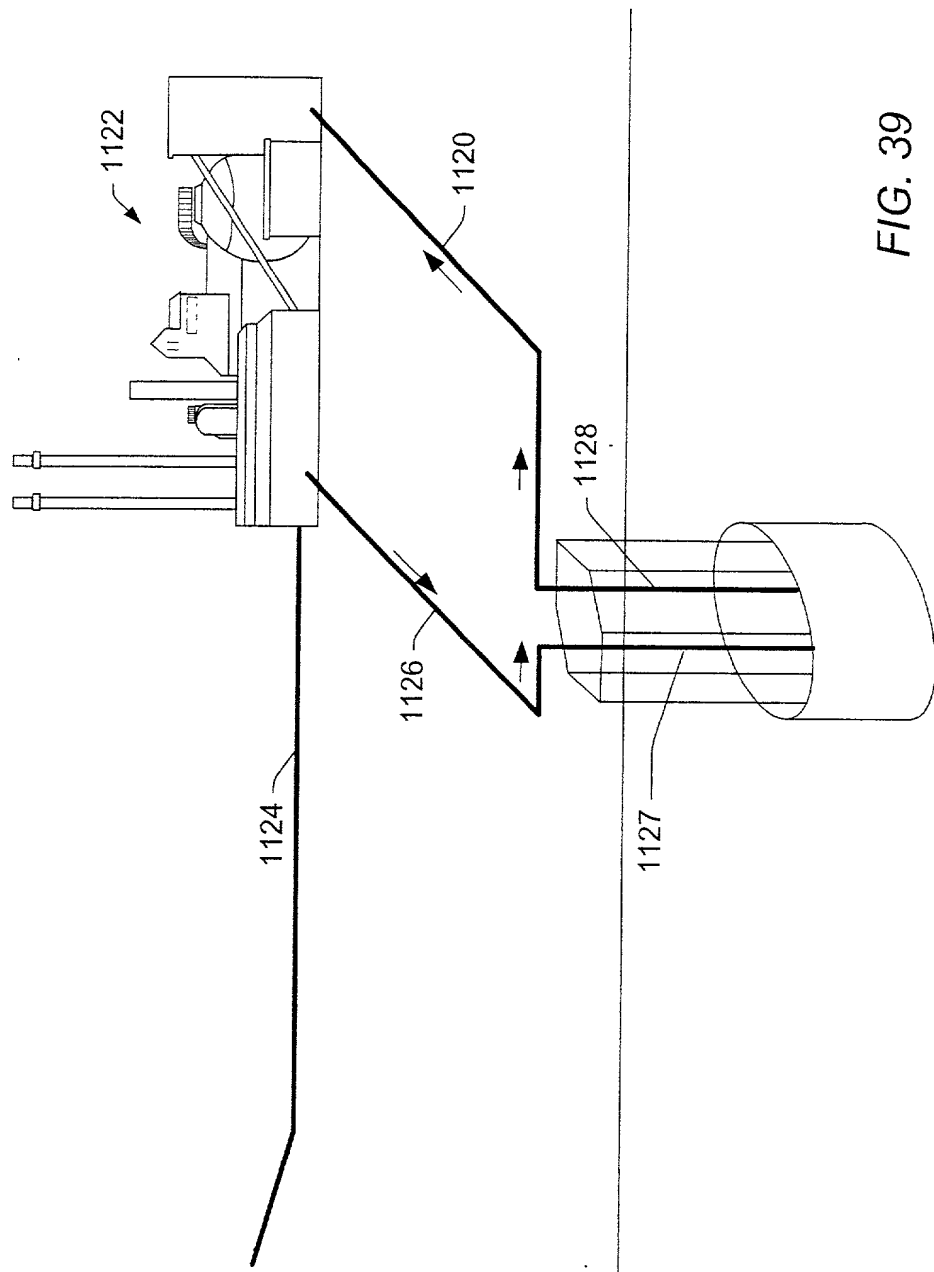


FIG. 39

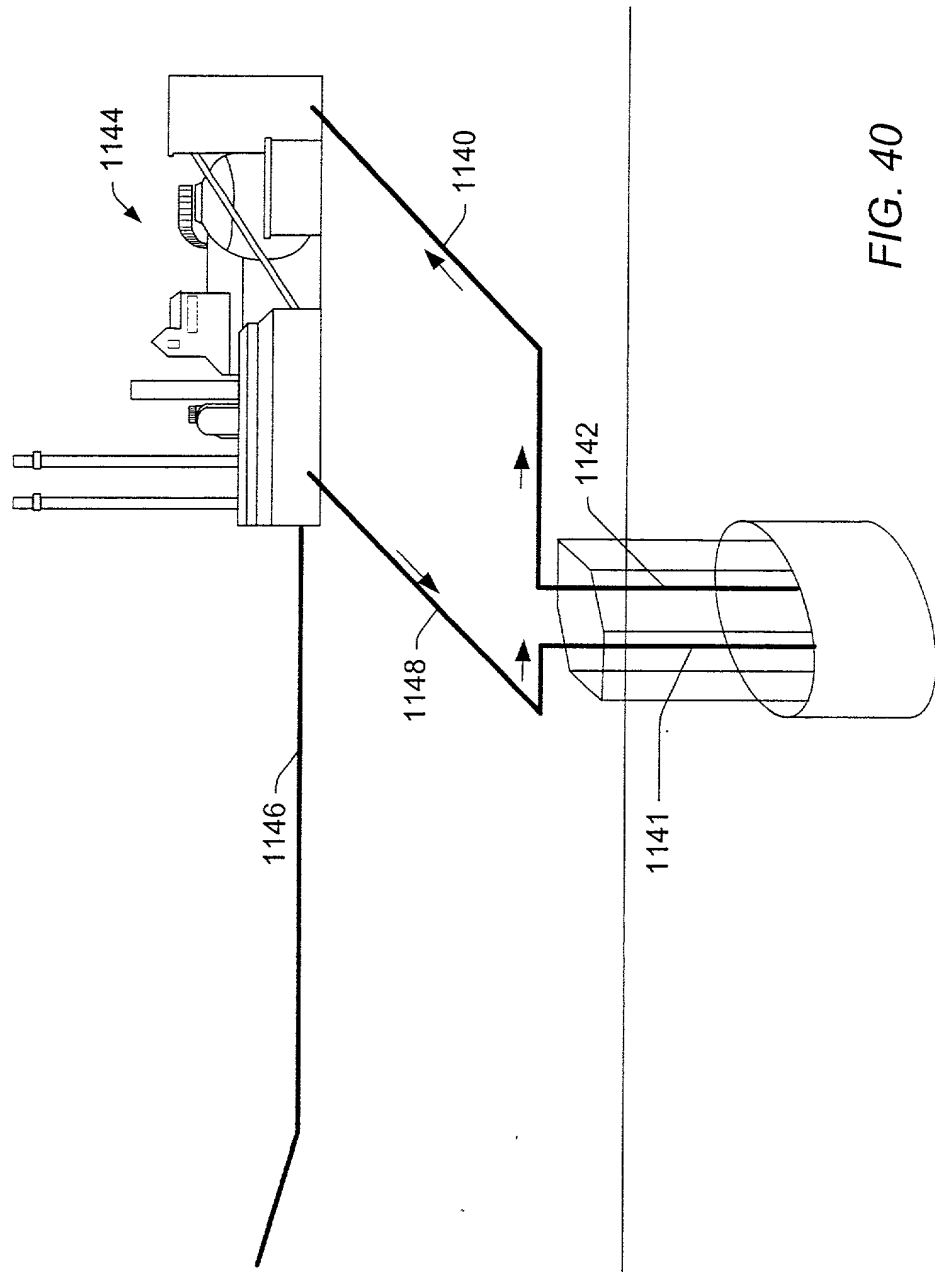


FIG. 40

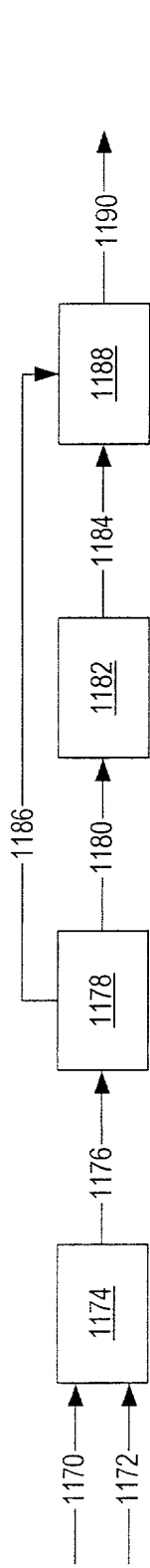


FIG. 41

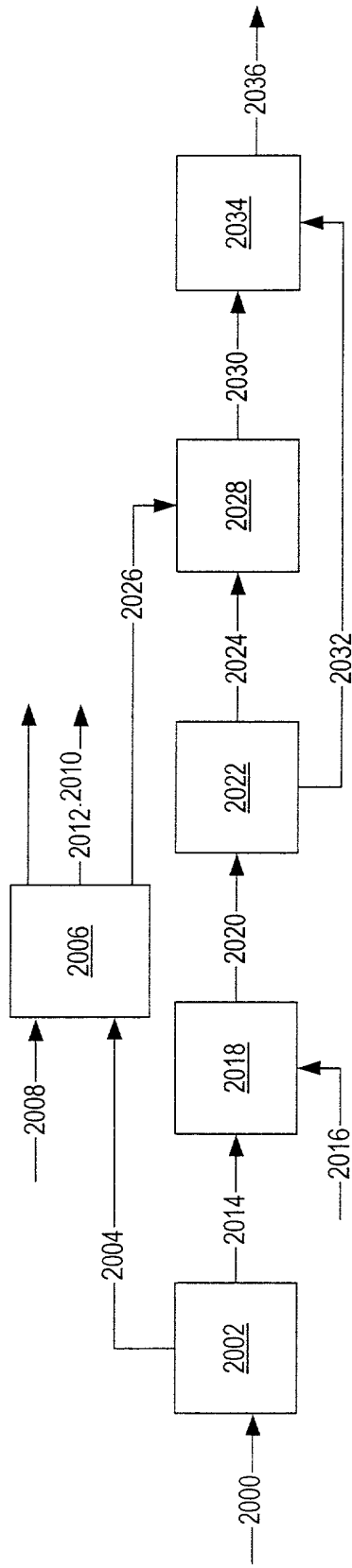


FIG. 42

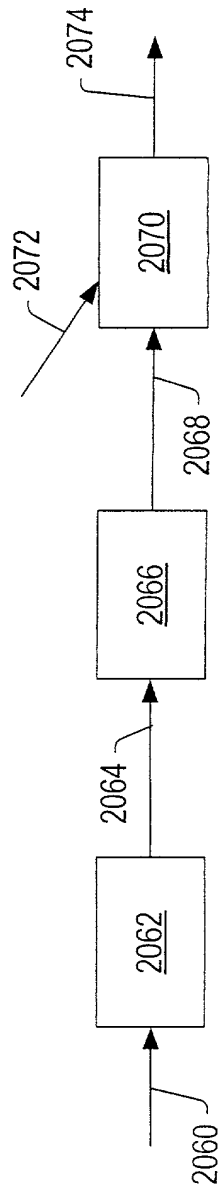


FIG. 43

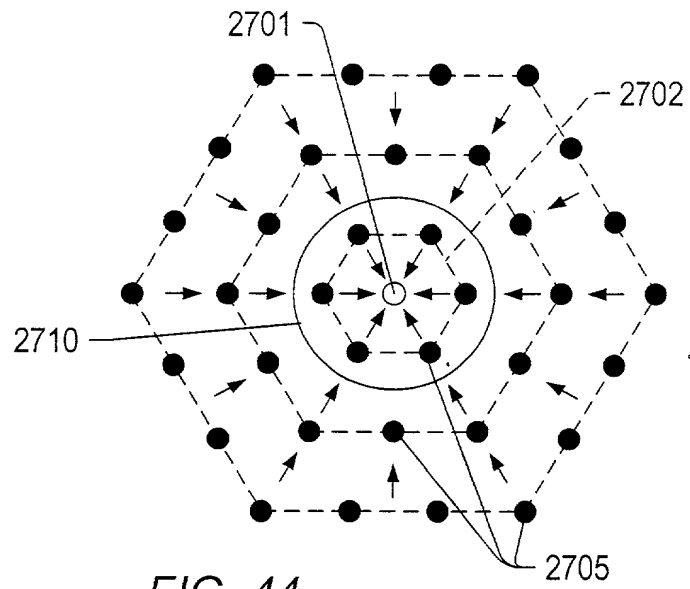


FIG. 44

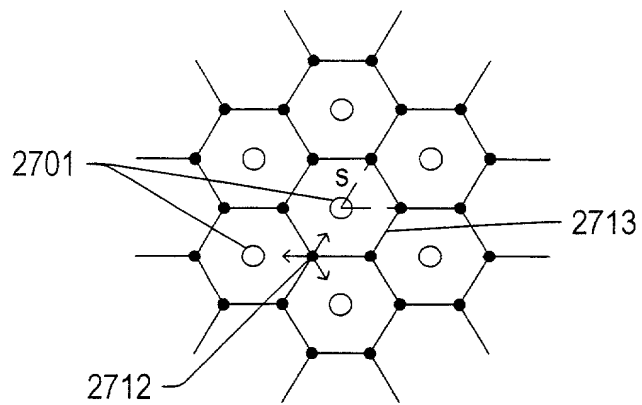


FIG. 45

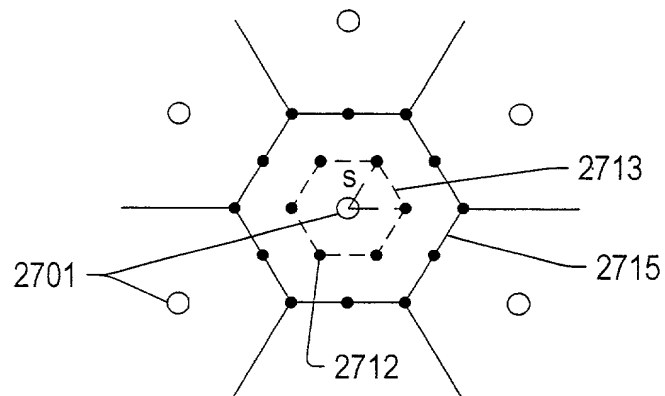


FIG. 46

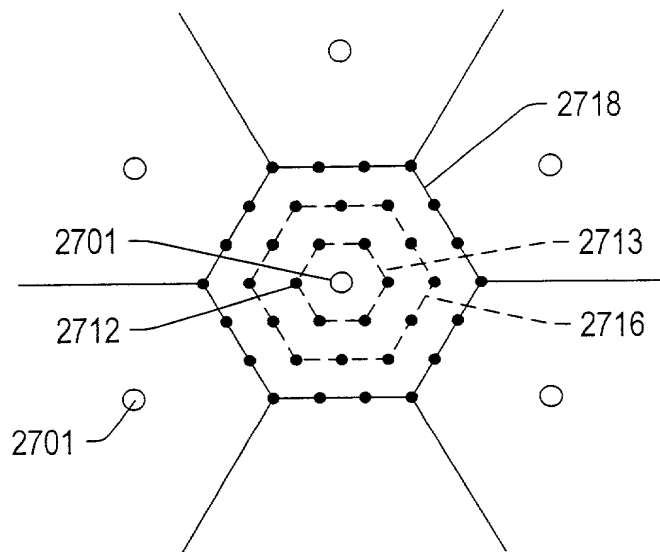


FIG. 47

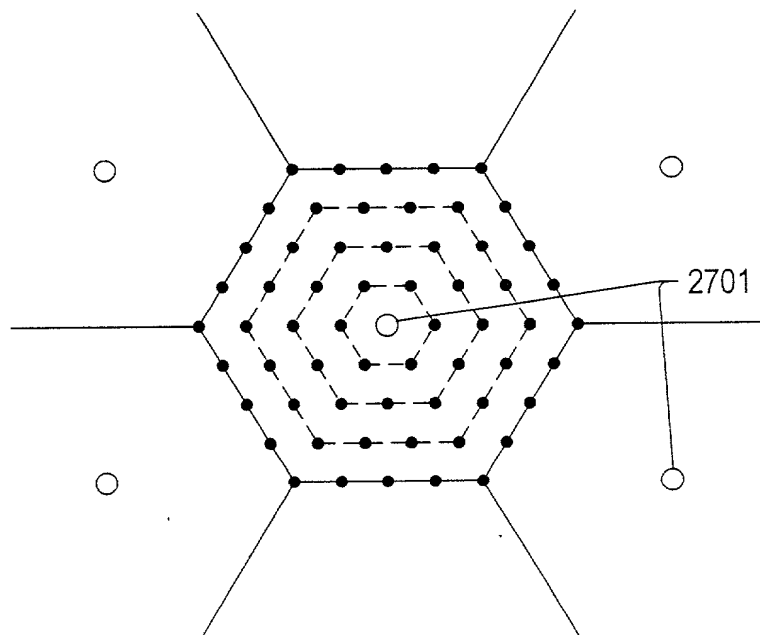


FIG. 48

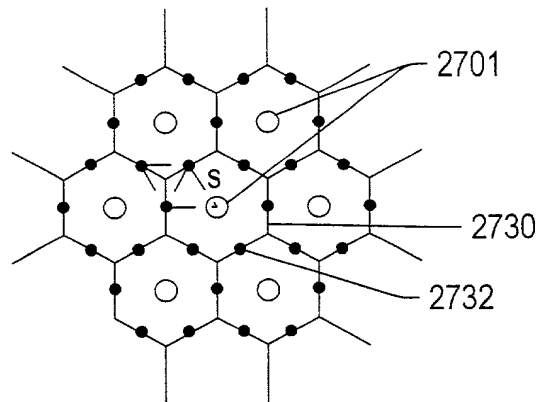


FIG. 49

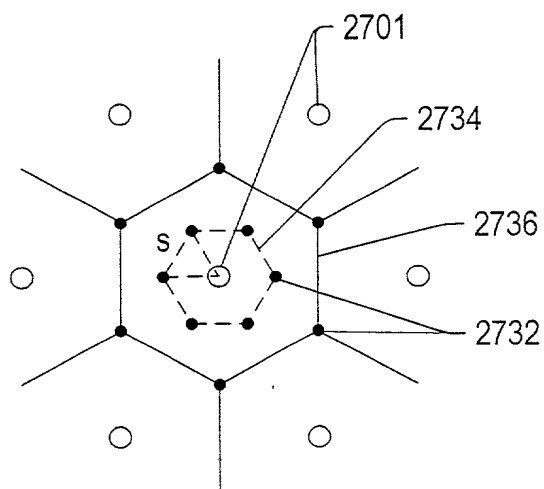


FIG. 50

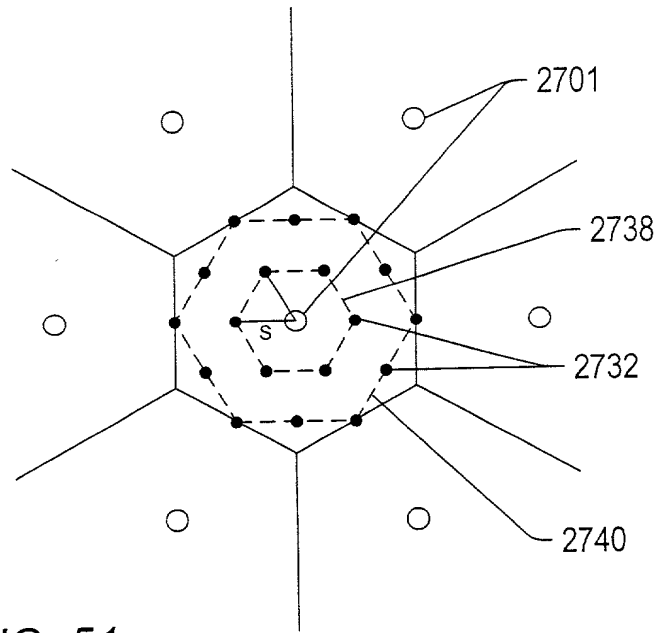


FIG. 51

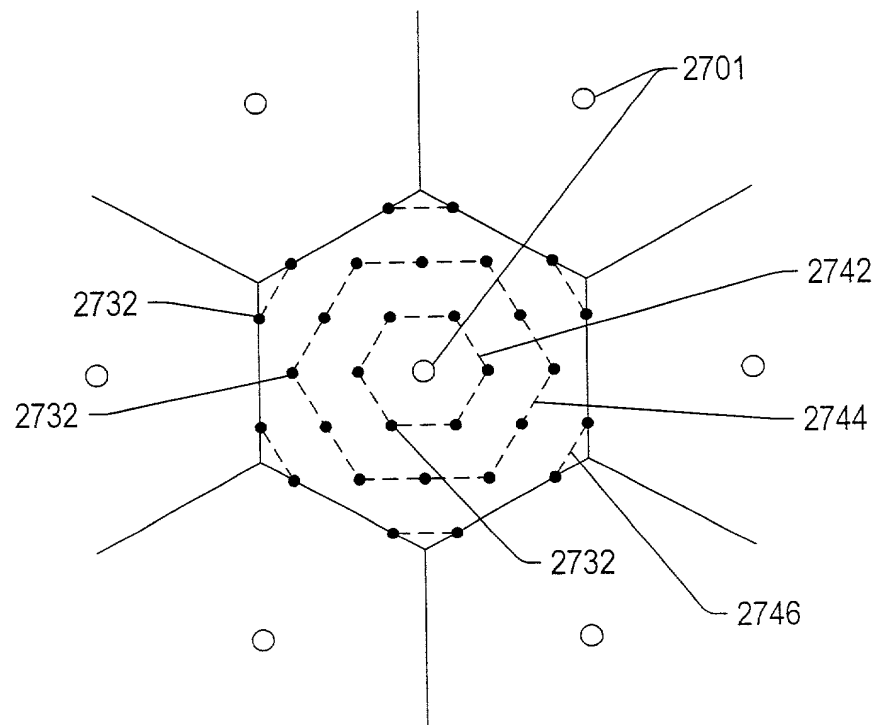


FIG. 52

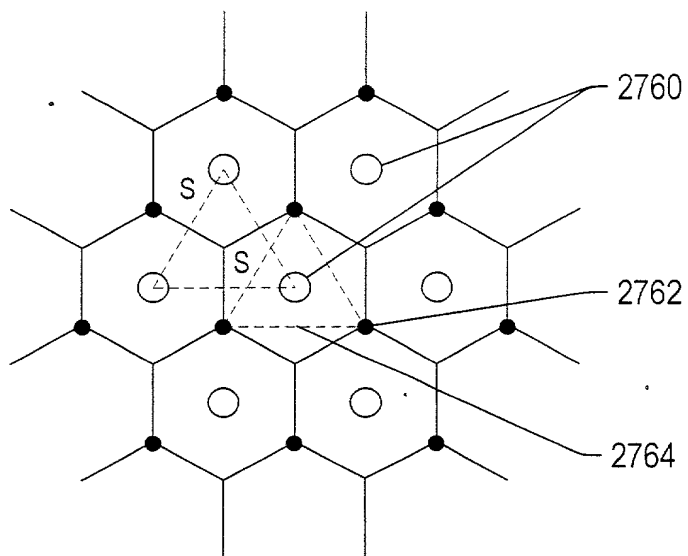


FIG. 53

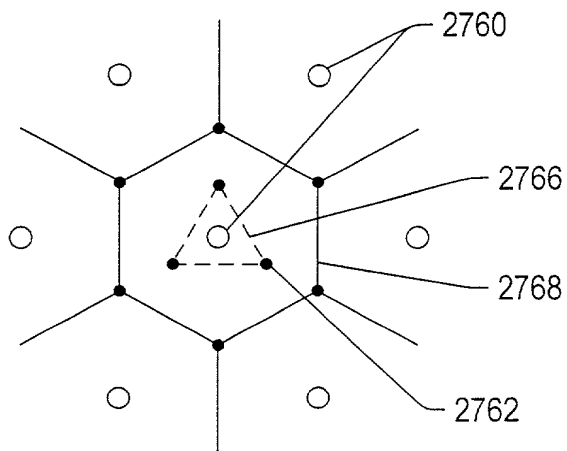


FIG. 54

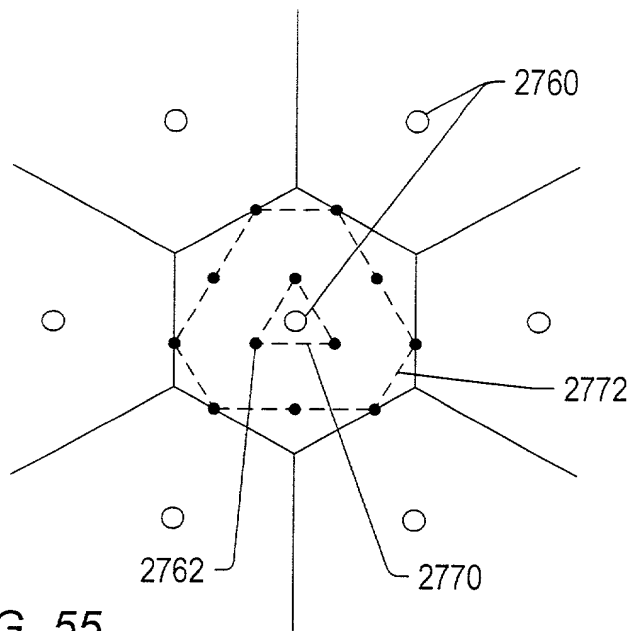


FIG. 55

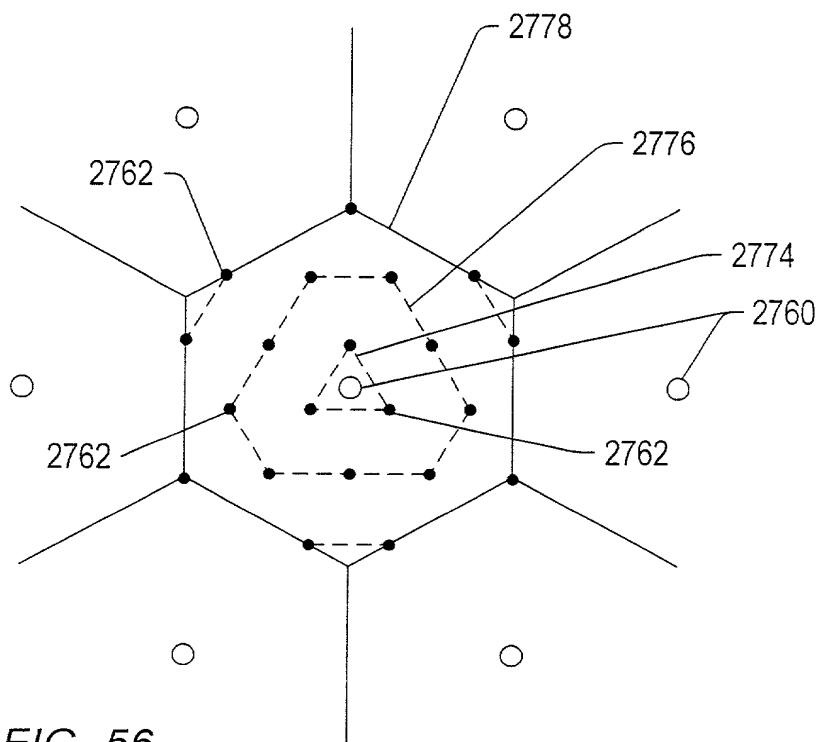


FIG. 56

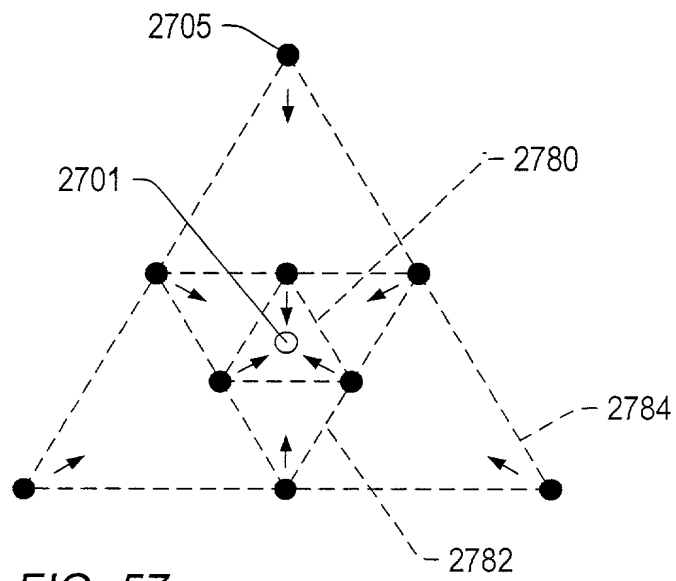


FIG. 57

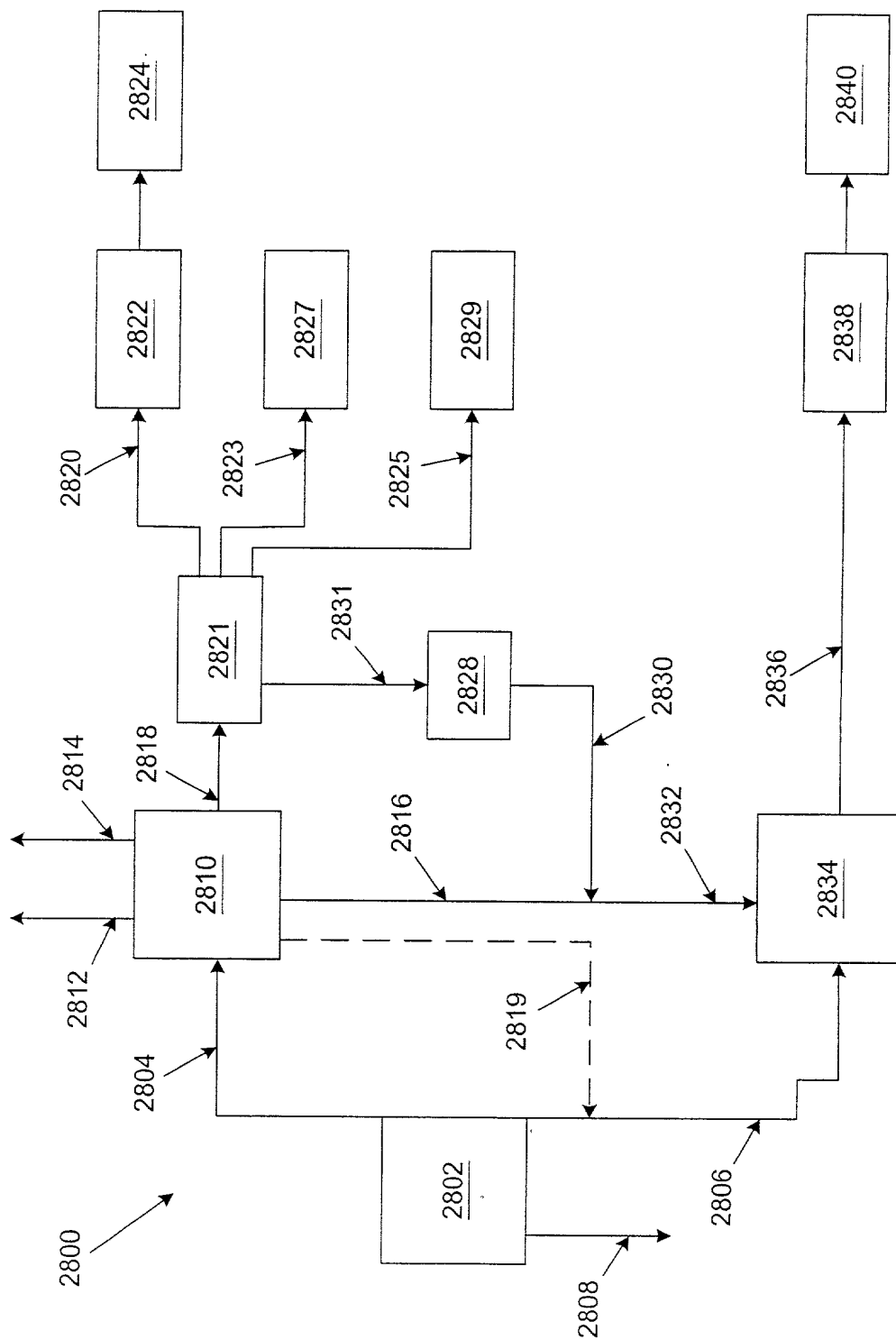
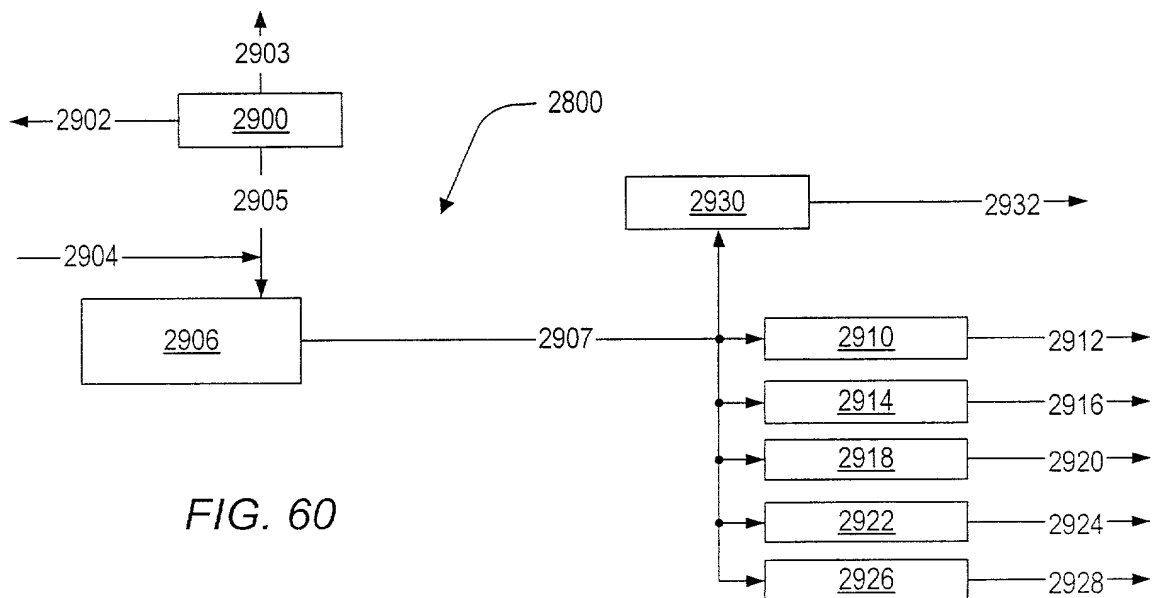
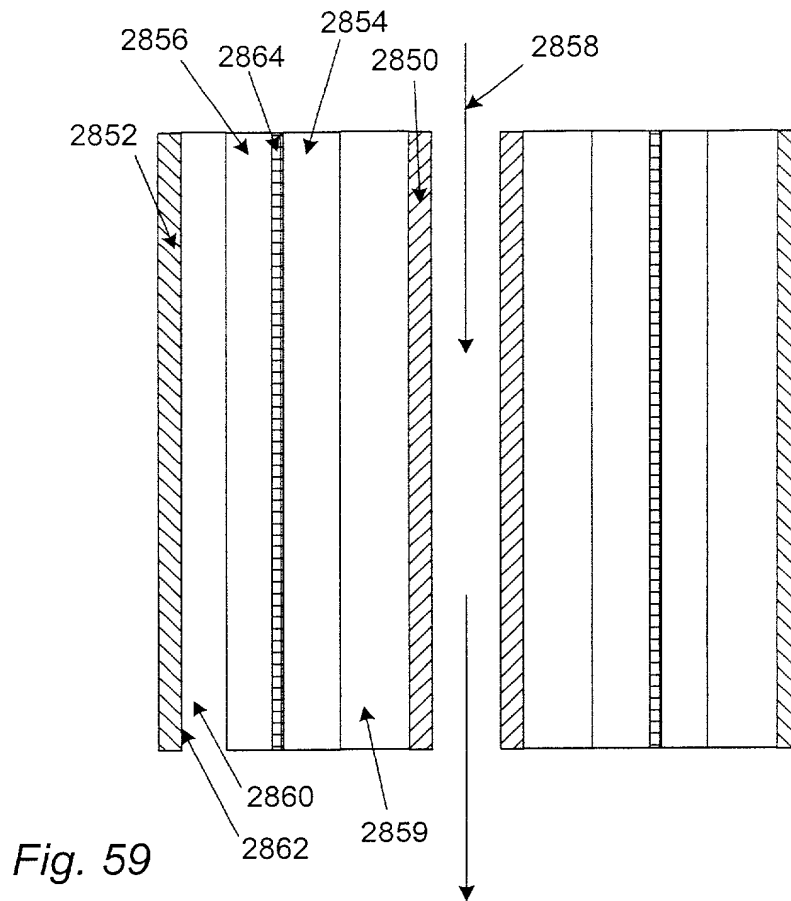


Fig. 58



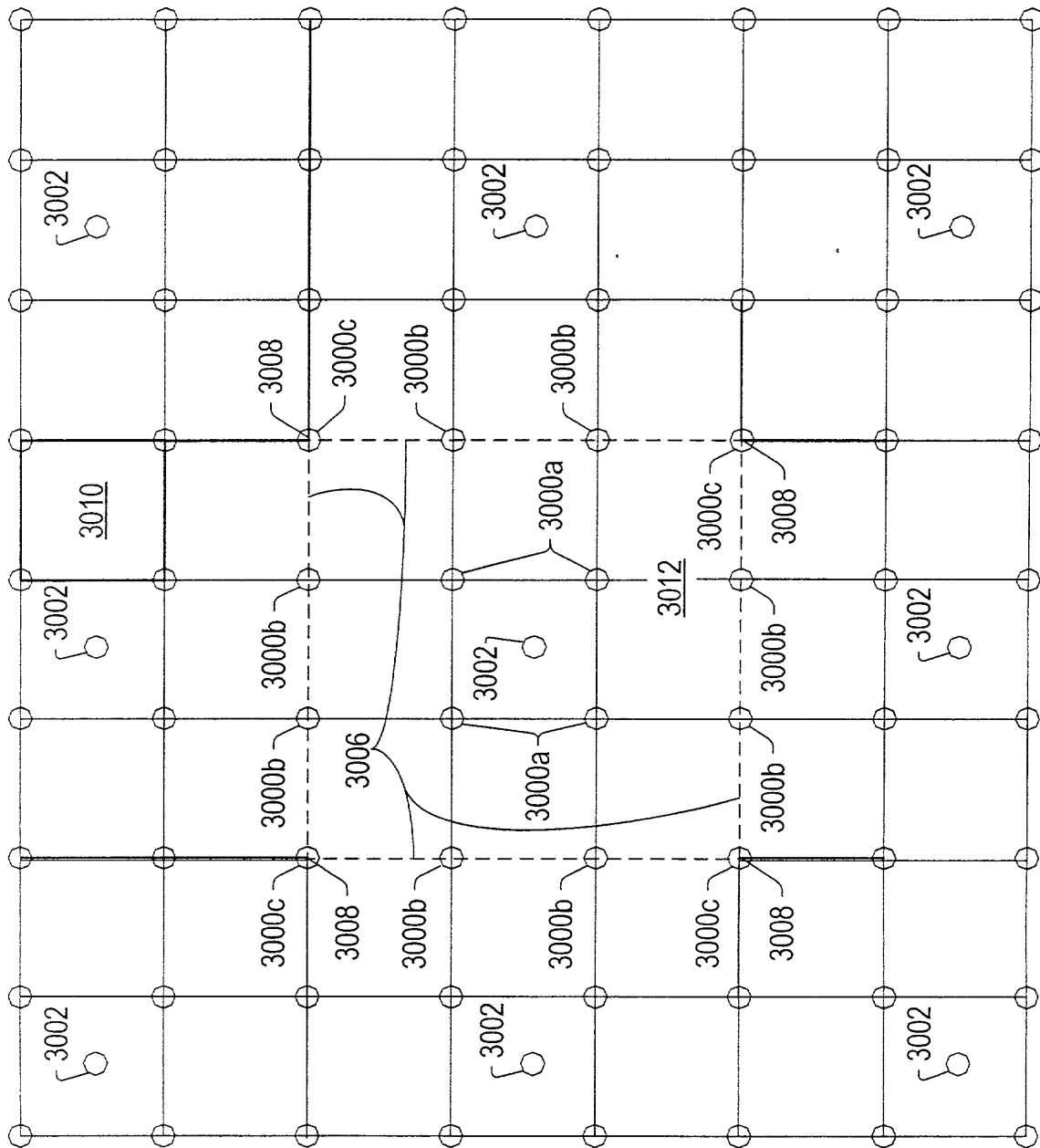


FIG. 61

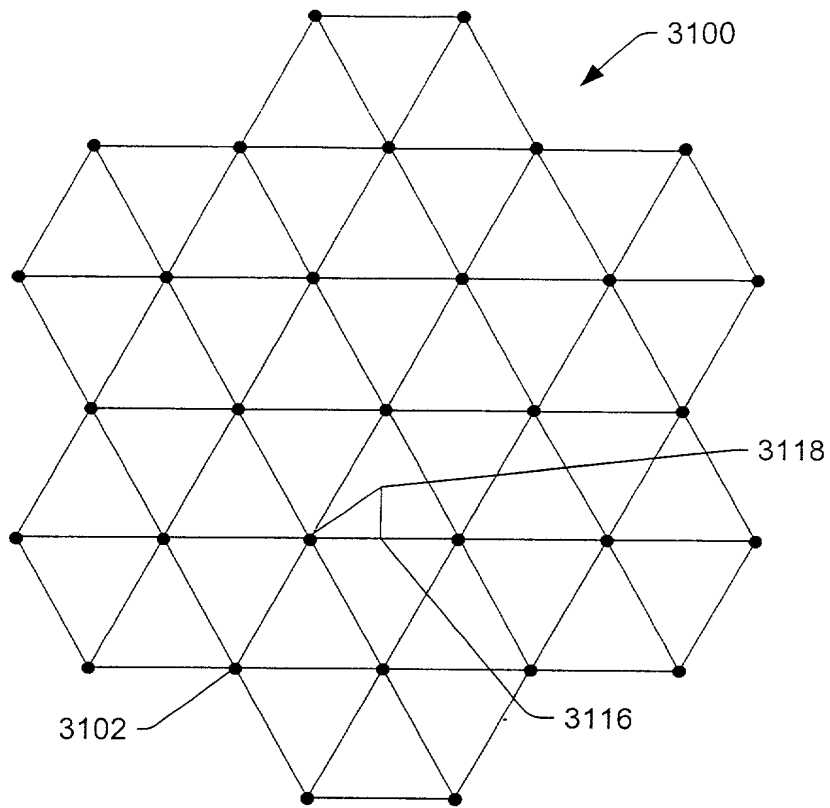


FIG. 63

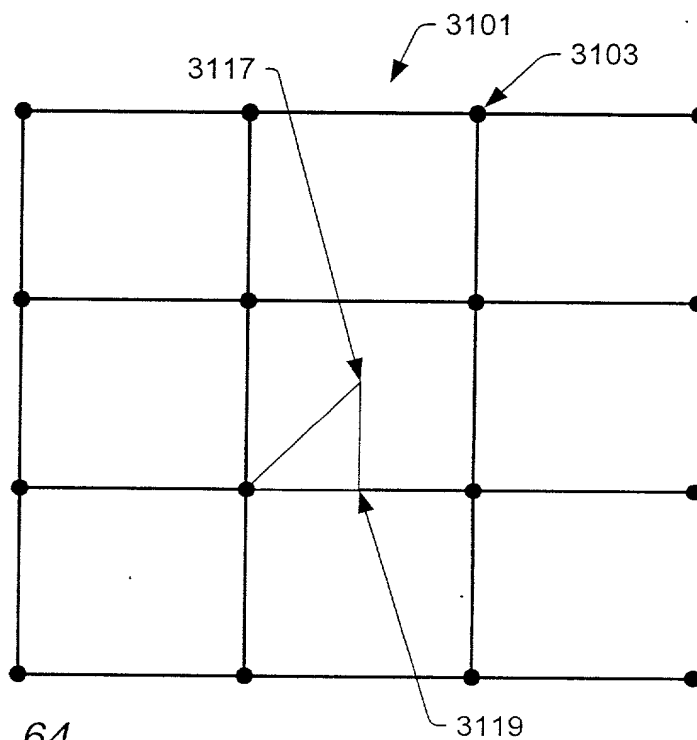


FIG. 64

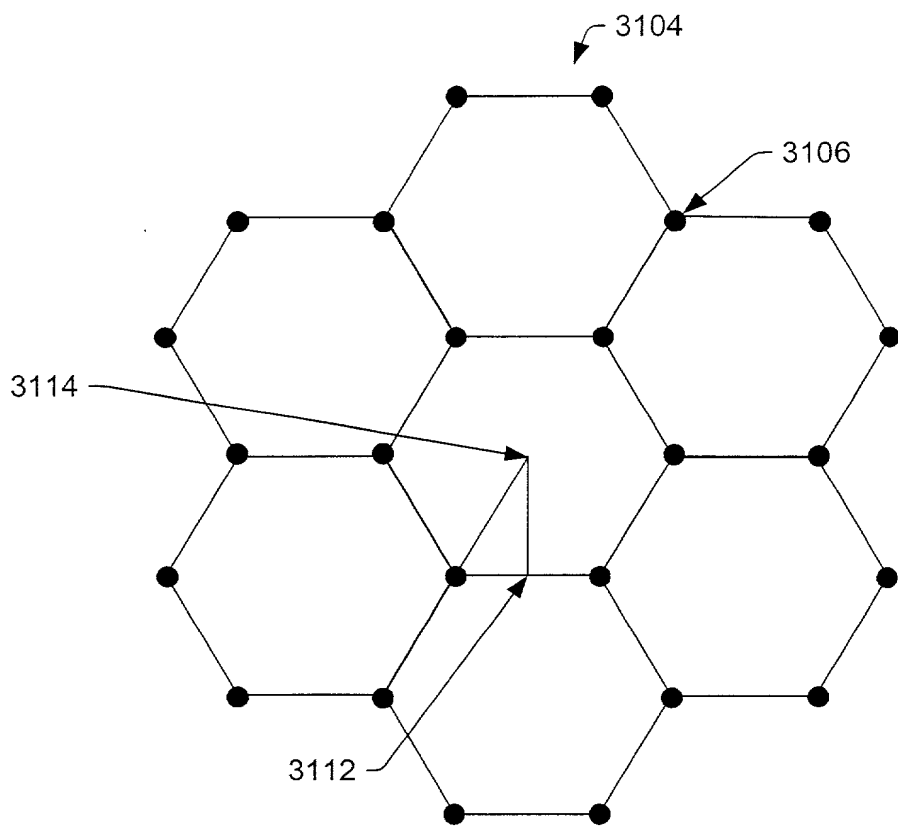


FIG. 65

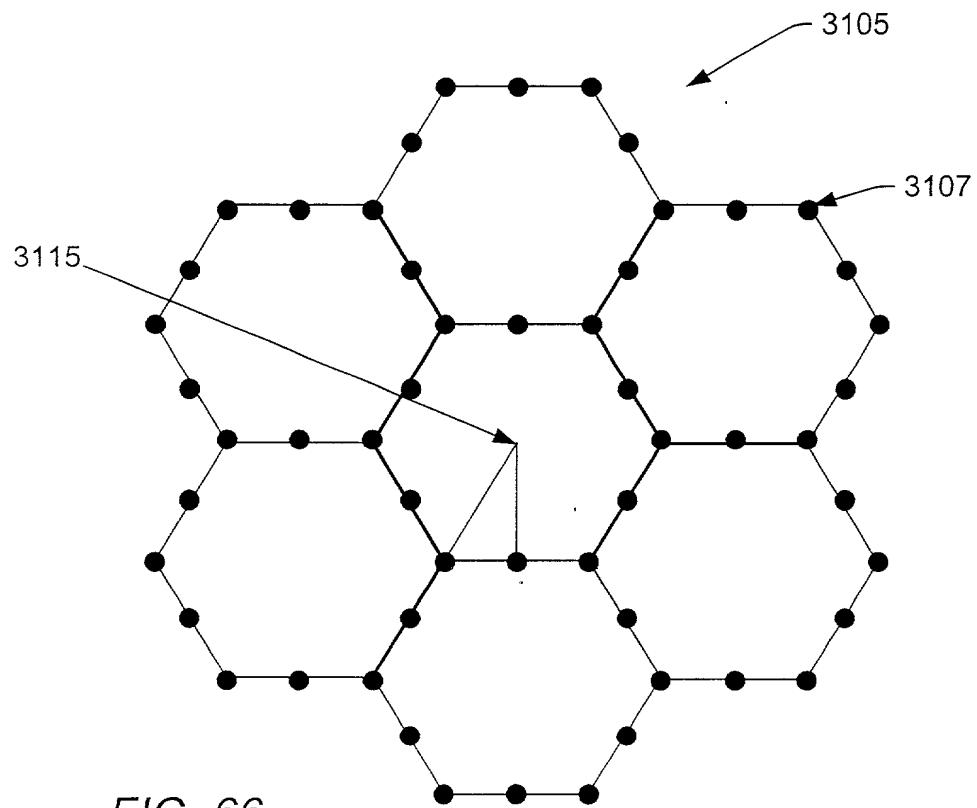


FIG. 66

FIG. 67

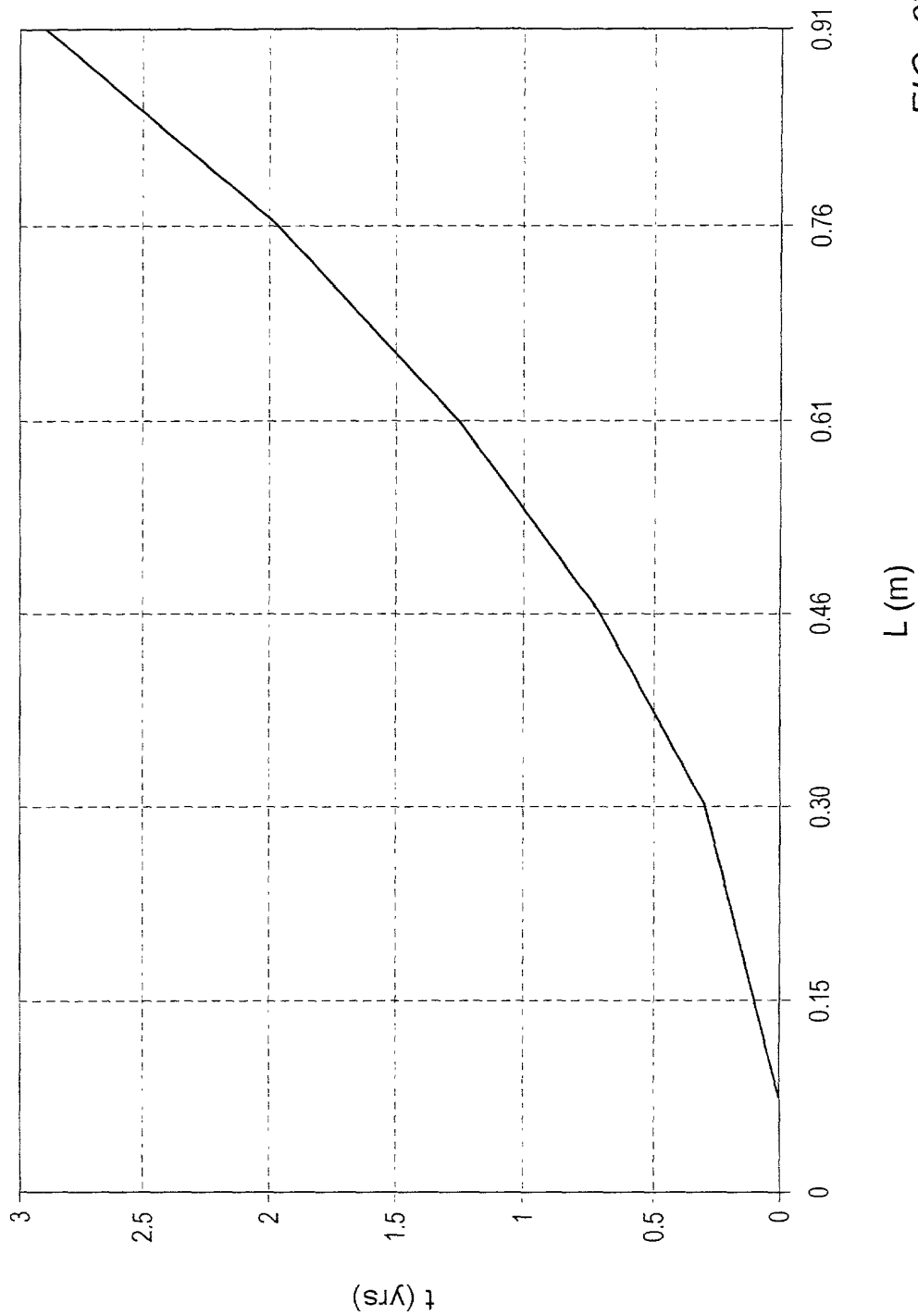


FIG. 67

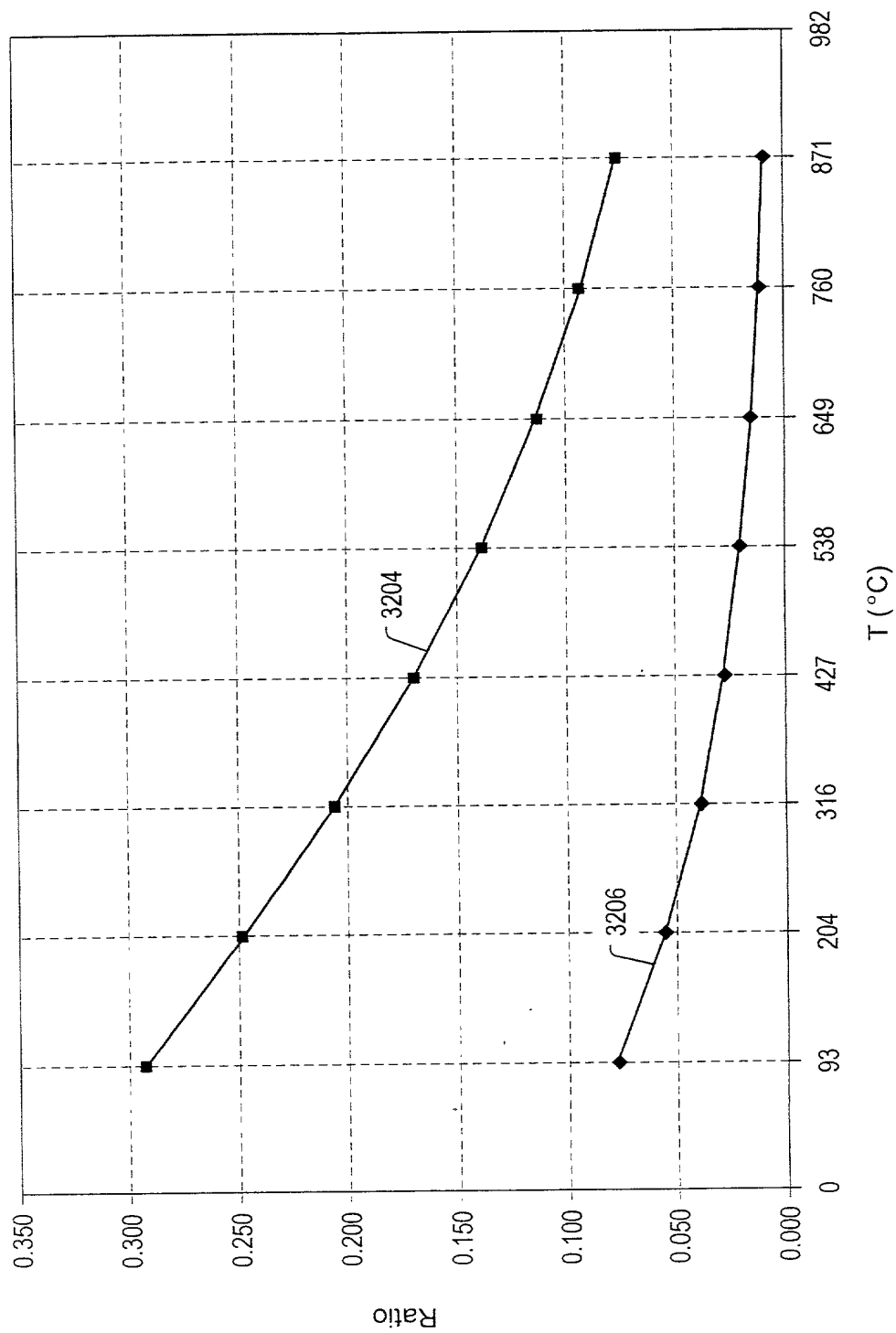
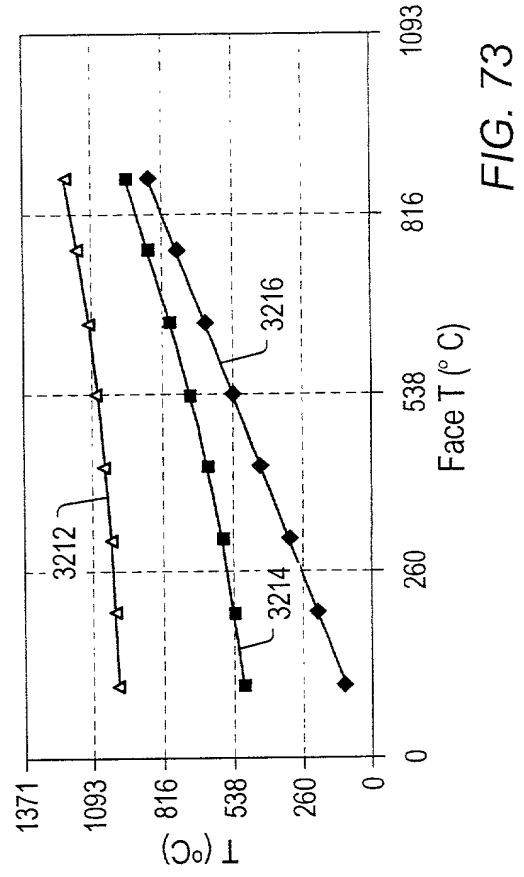
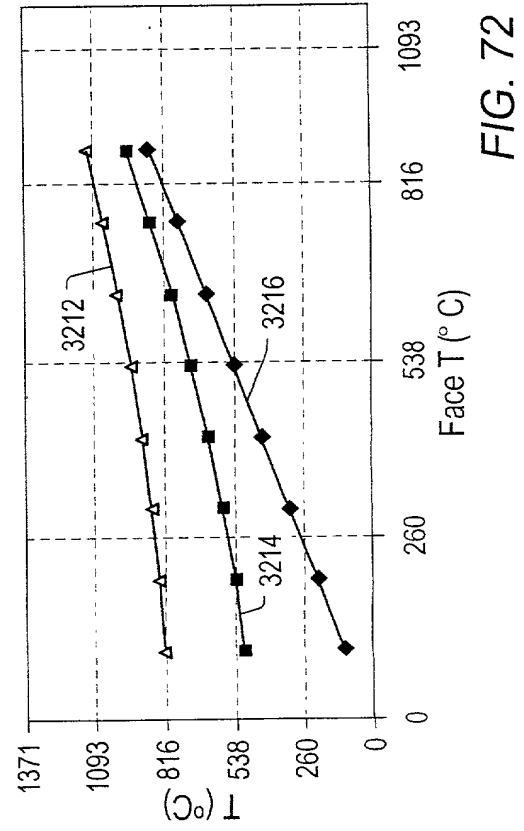
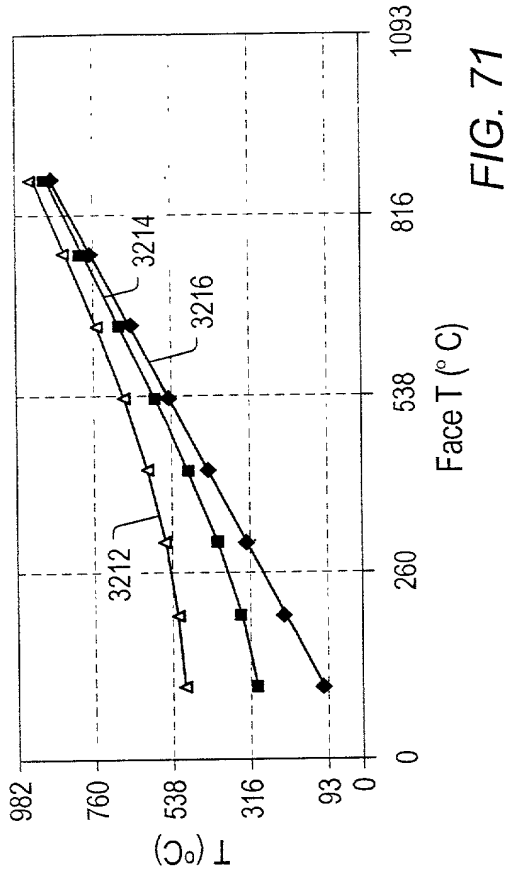
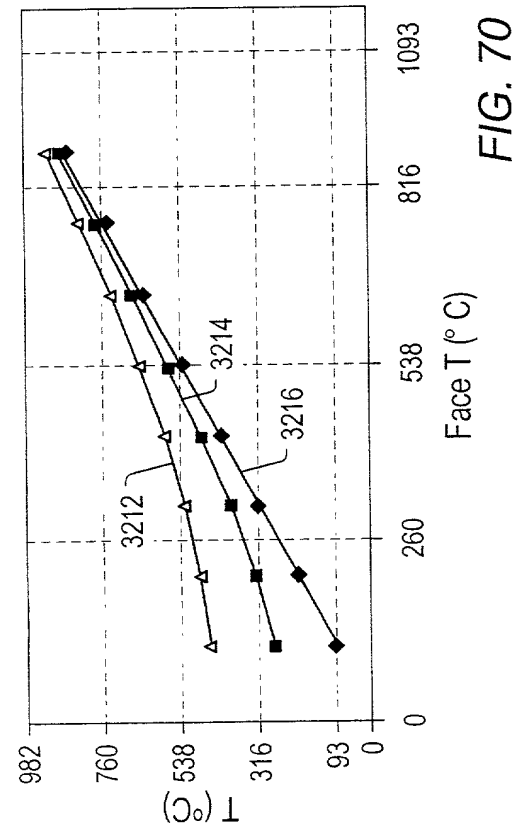


FIG. 68



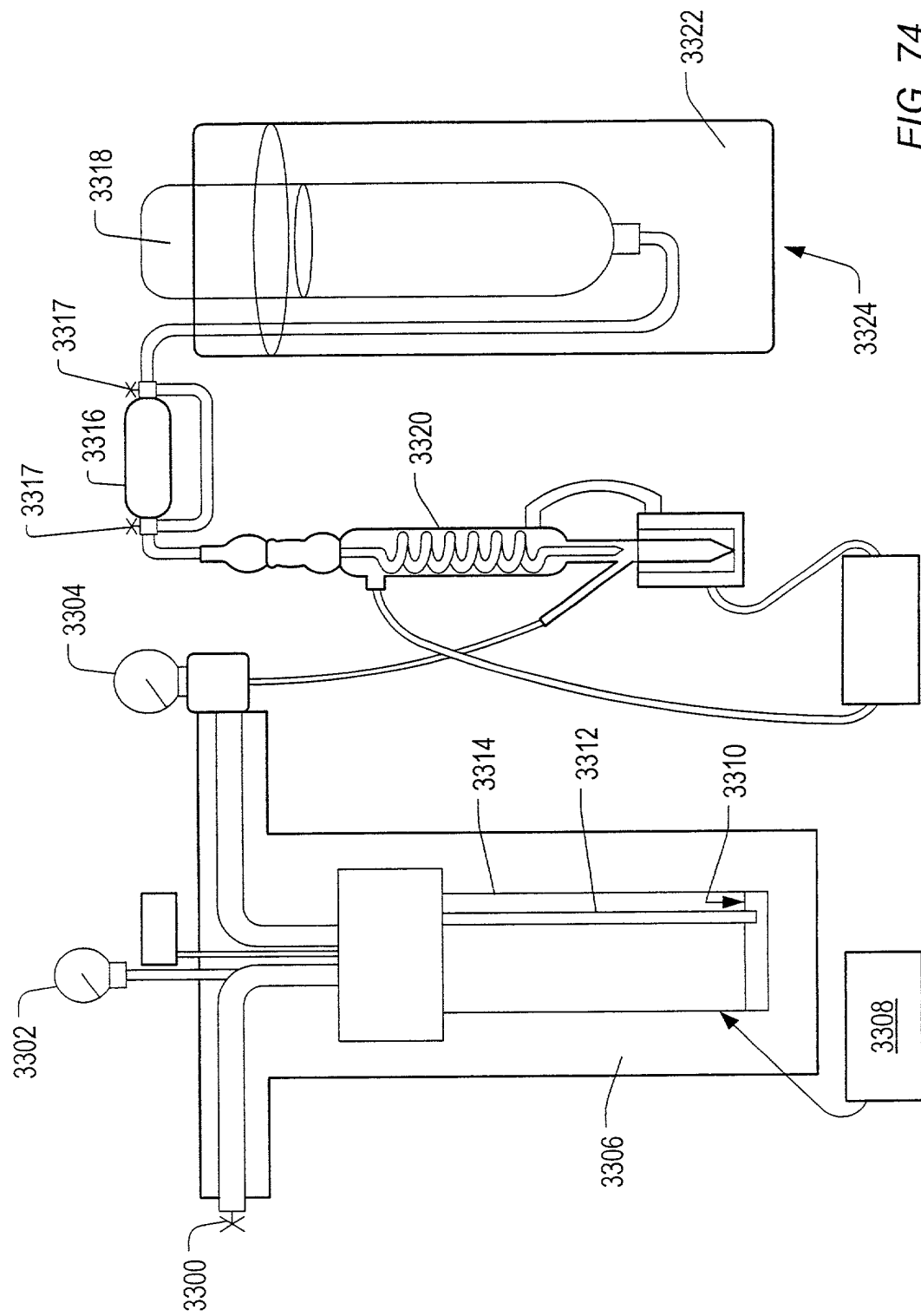


FIG. 74

FIG. 75

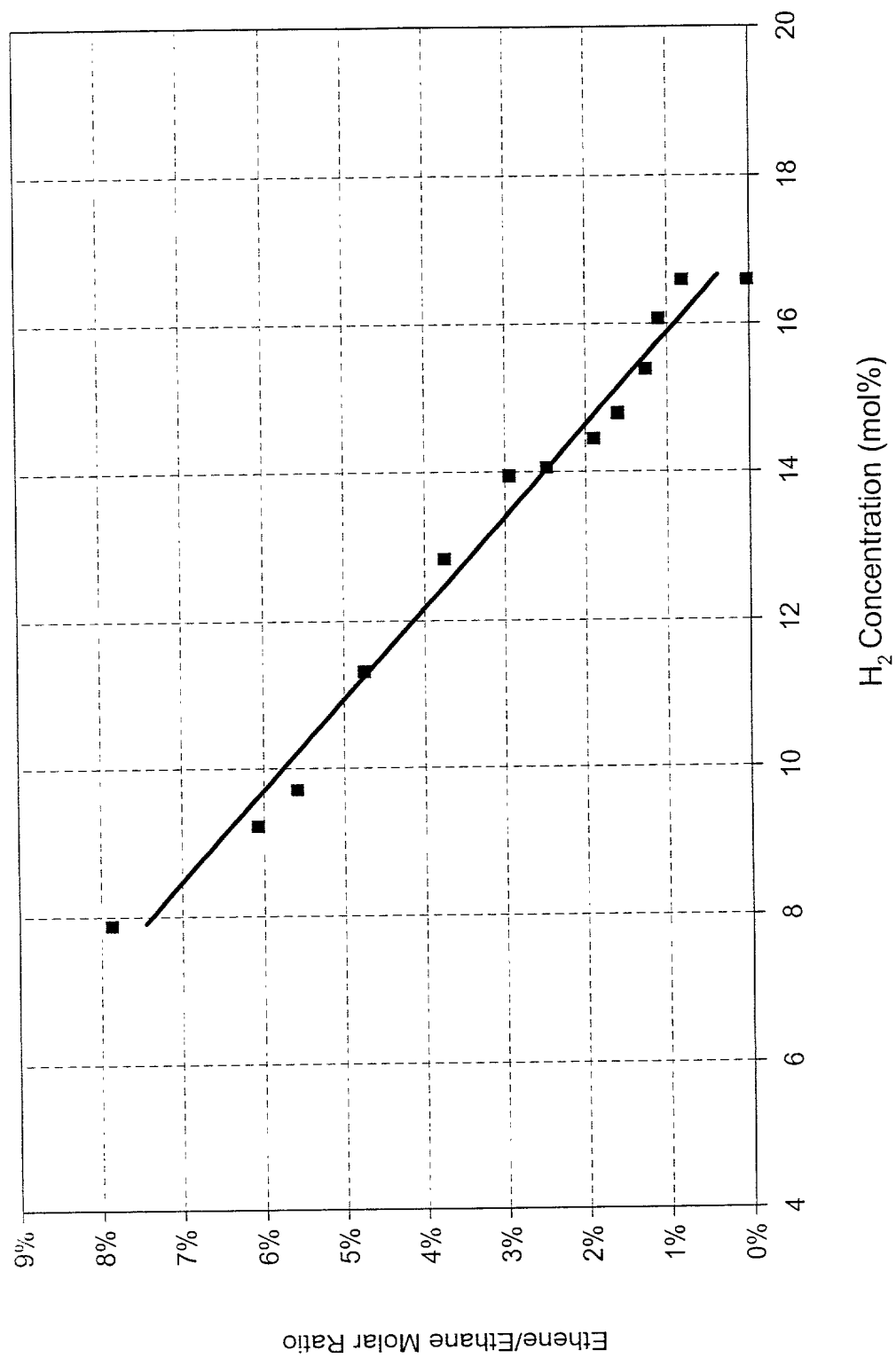
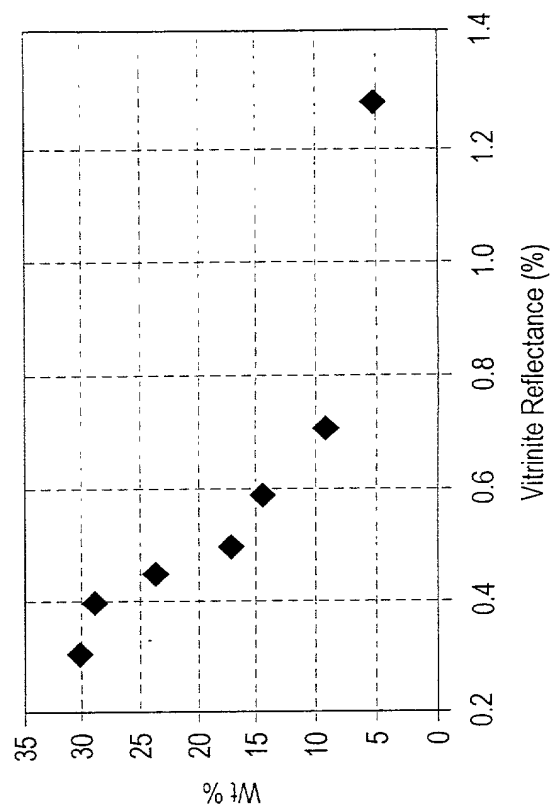
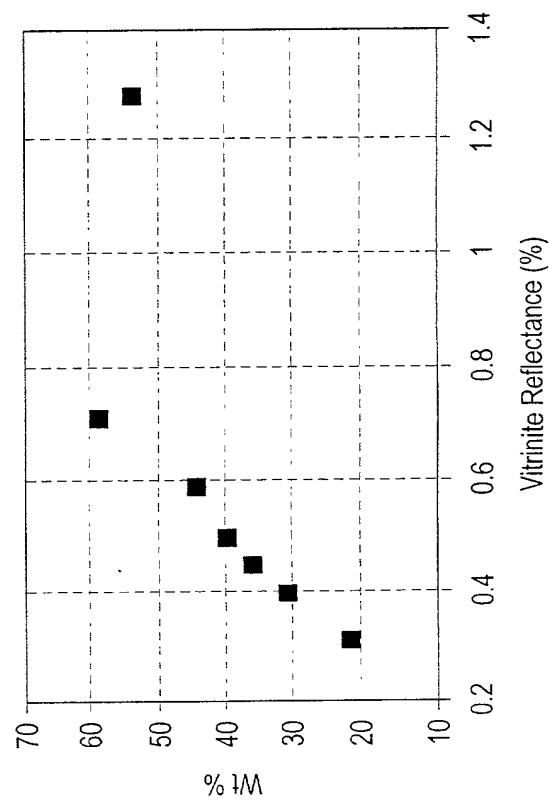
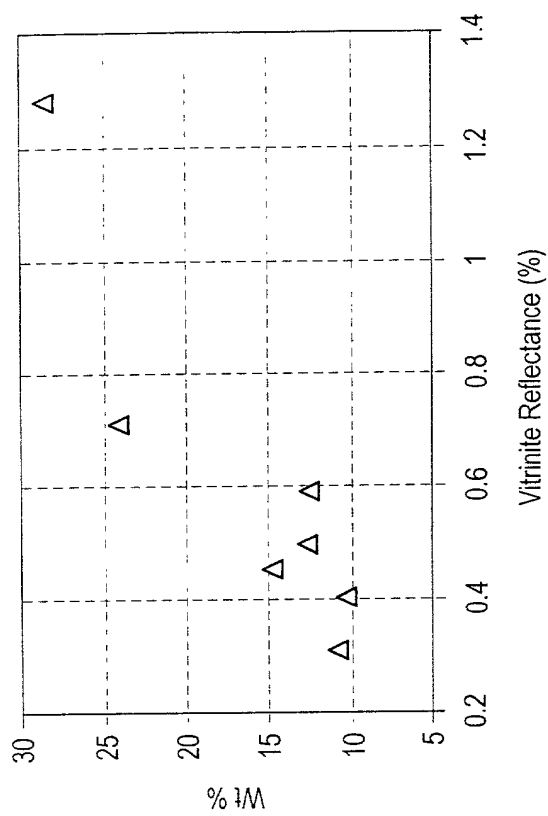
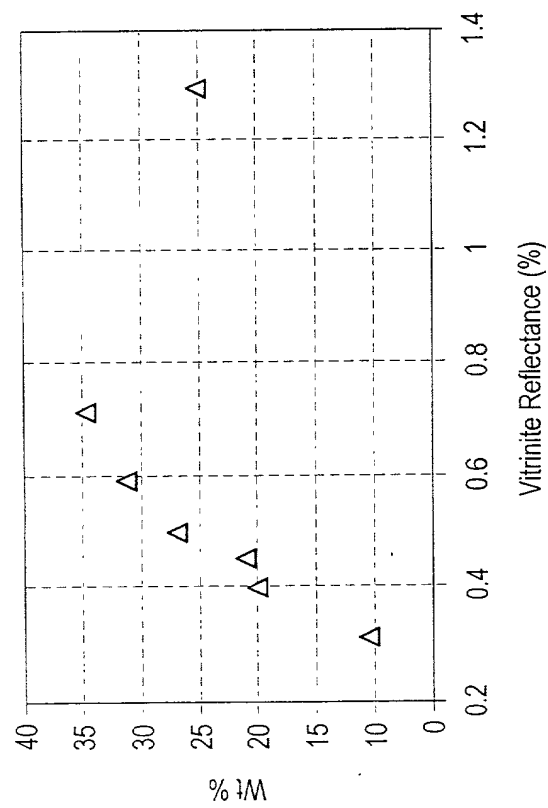


FIG. 76



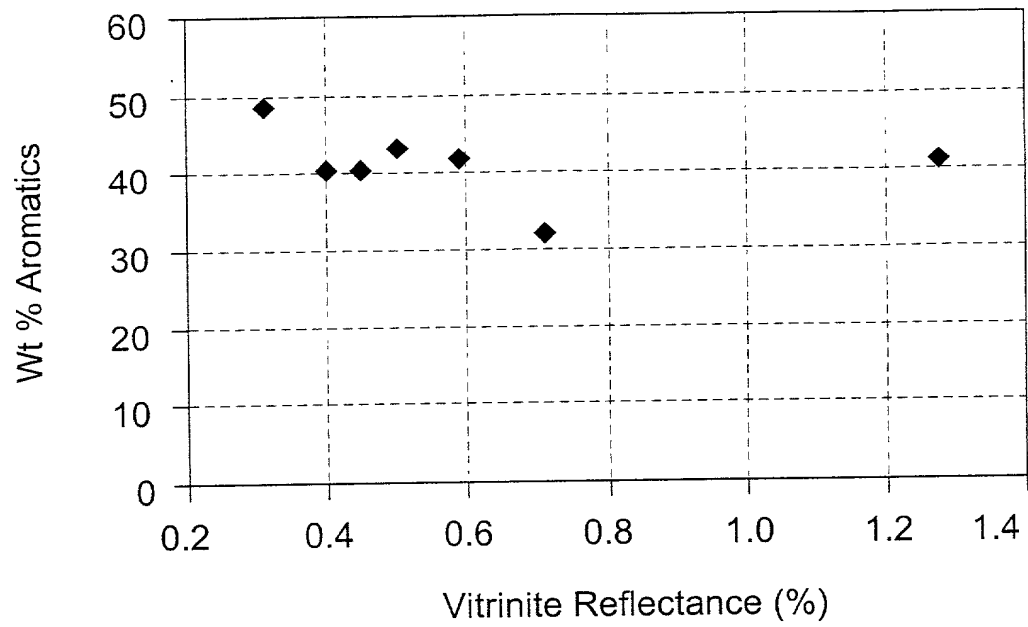


FIG. 81

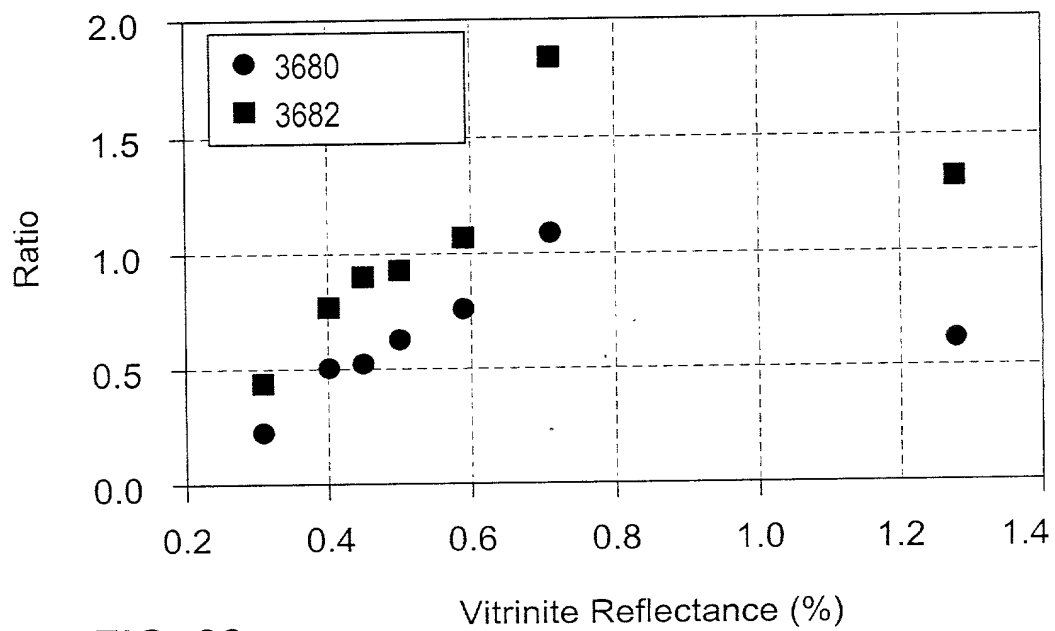


FIG. 82

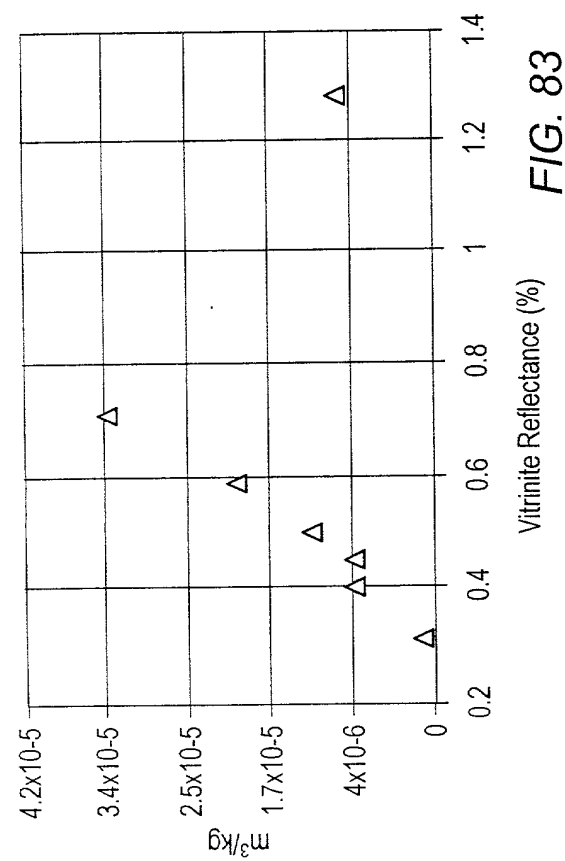


FIG. 83

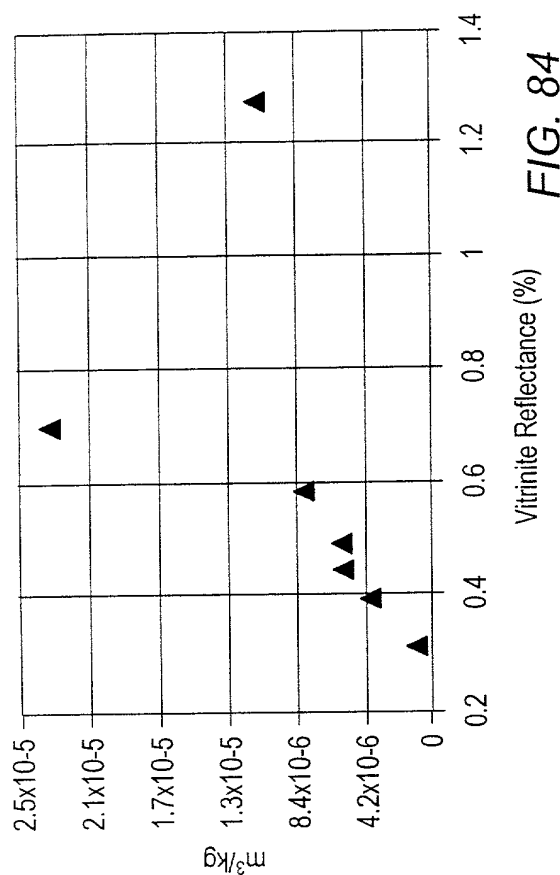


FIG. 84

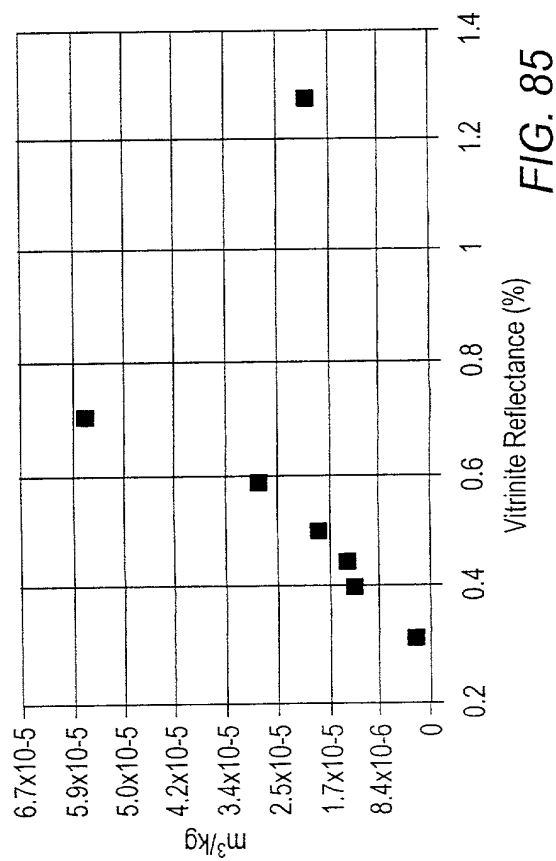


FIG. 85

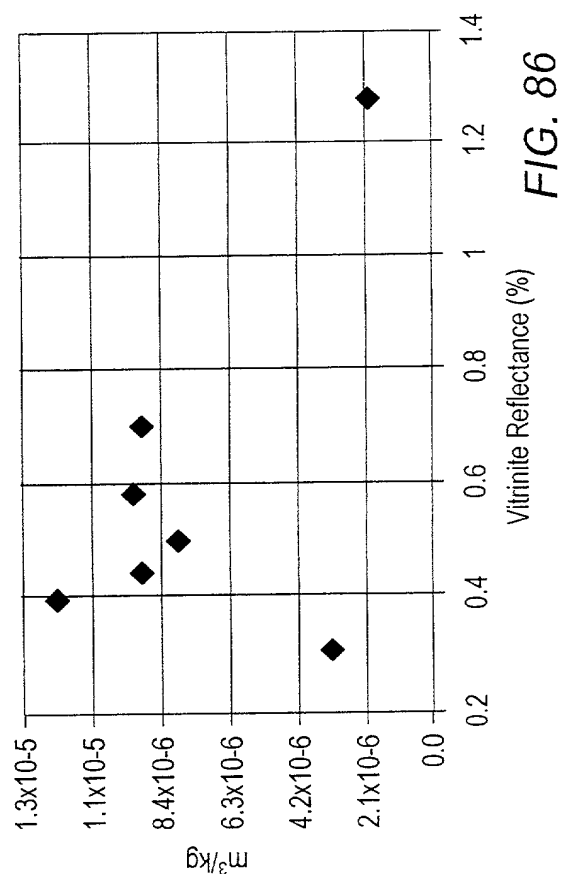


FIG. 86

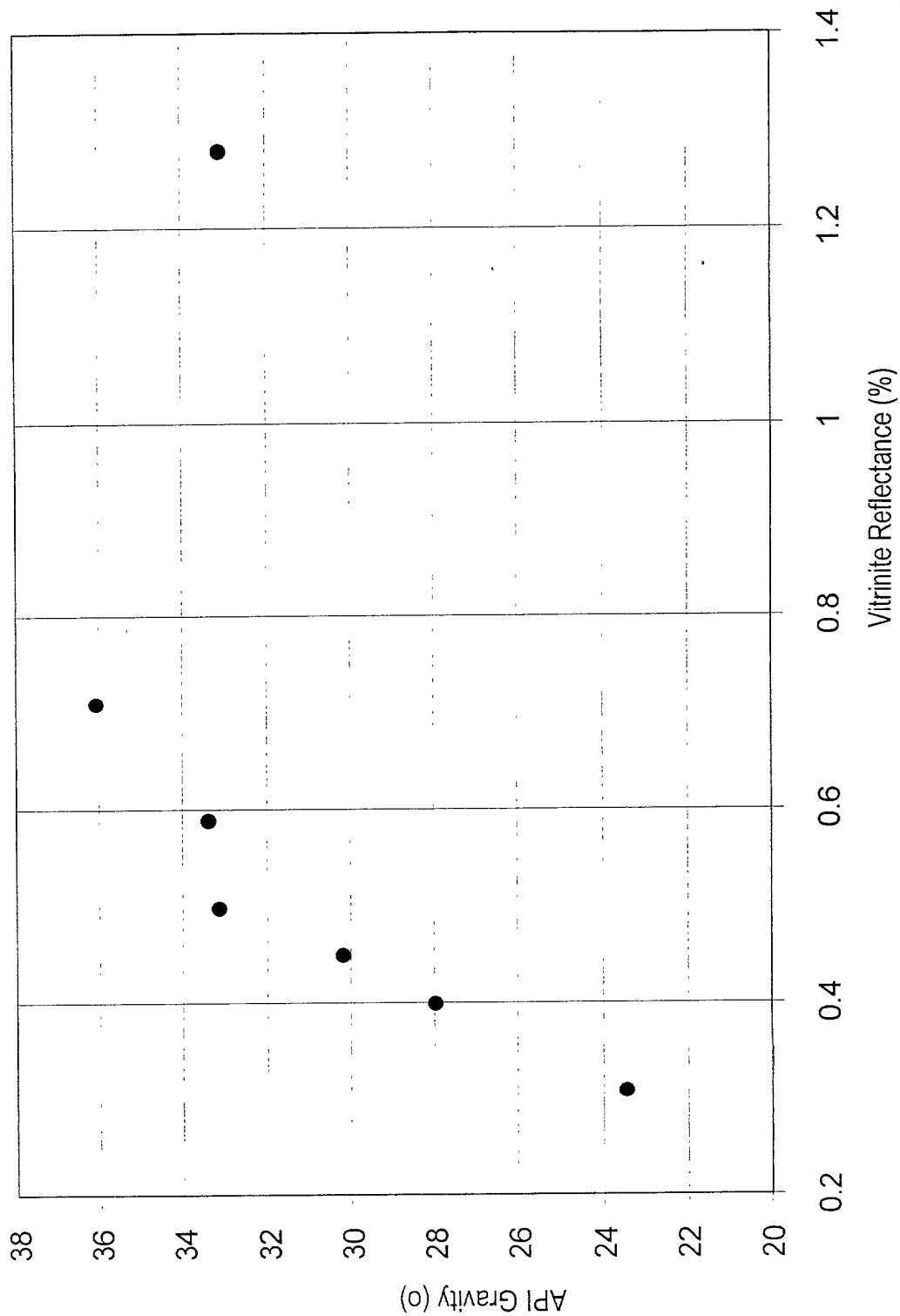
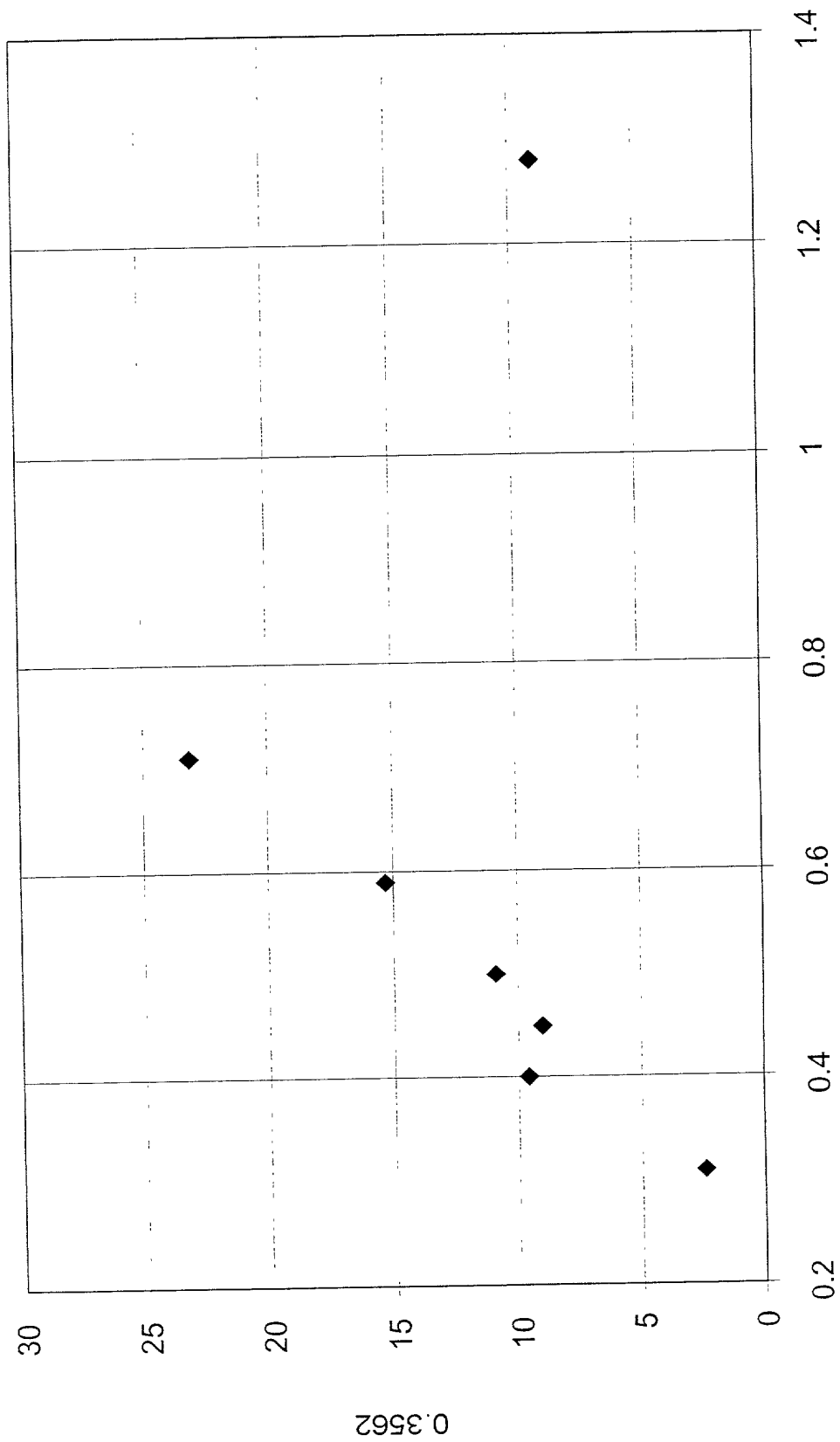


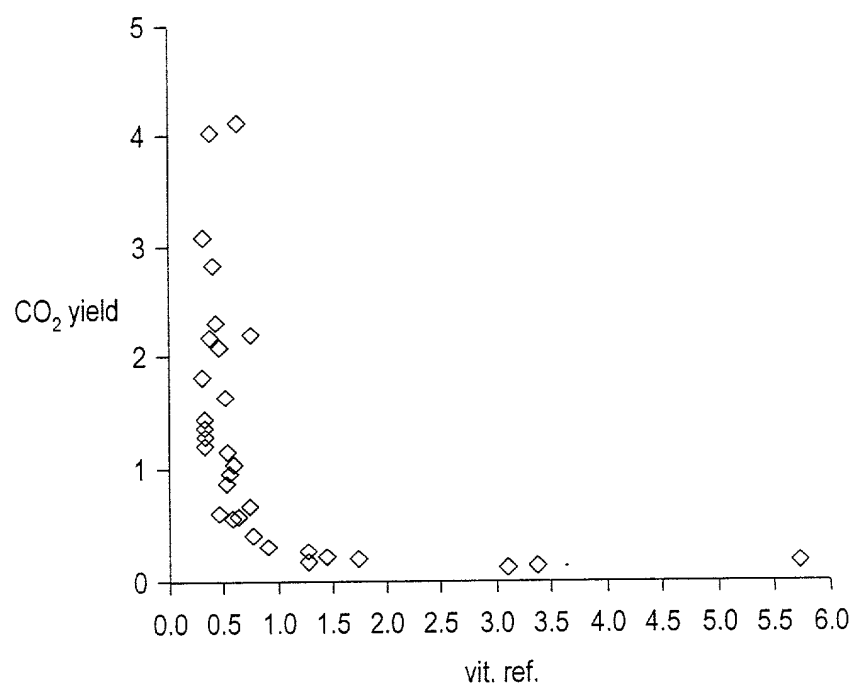
FIG. 87

0.3562



Vitrinite Reflectance (%)

FIG. 88



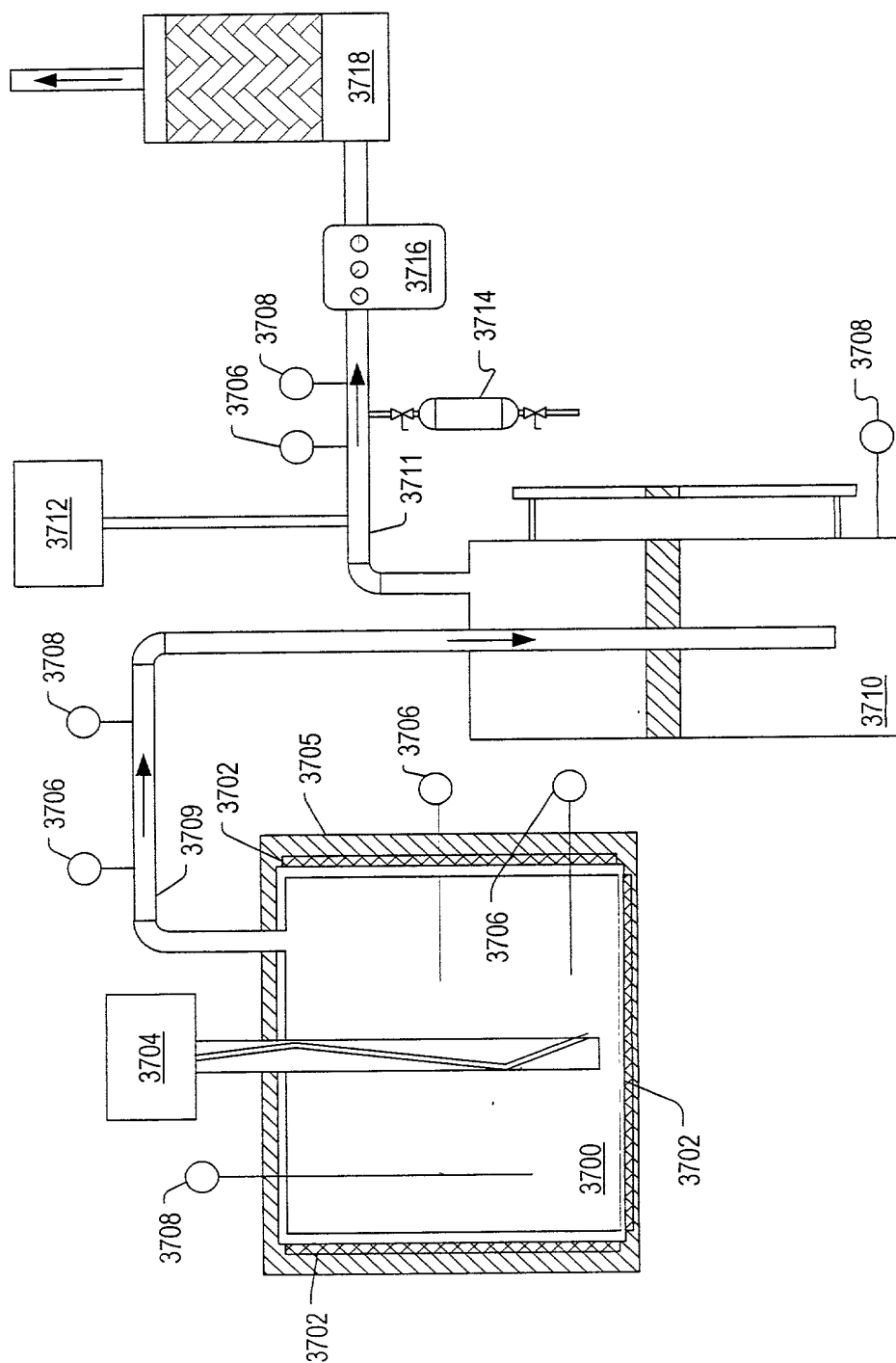


FIG. 91

FIG. 92 is a graph showing the relationship between Depth (feet) and Temperature (°F) for two different data series. The Y-axis represents Depth (feet) from 0 to 50, and the X-axis represents Temperature (°F) from 0 to 1800. The graph shows two distinct curves, one marked with squares and the other with diamonds, both exhibiting a peak in temperature at approximately 35 feet depth.

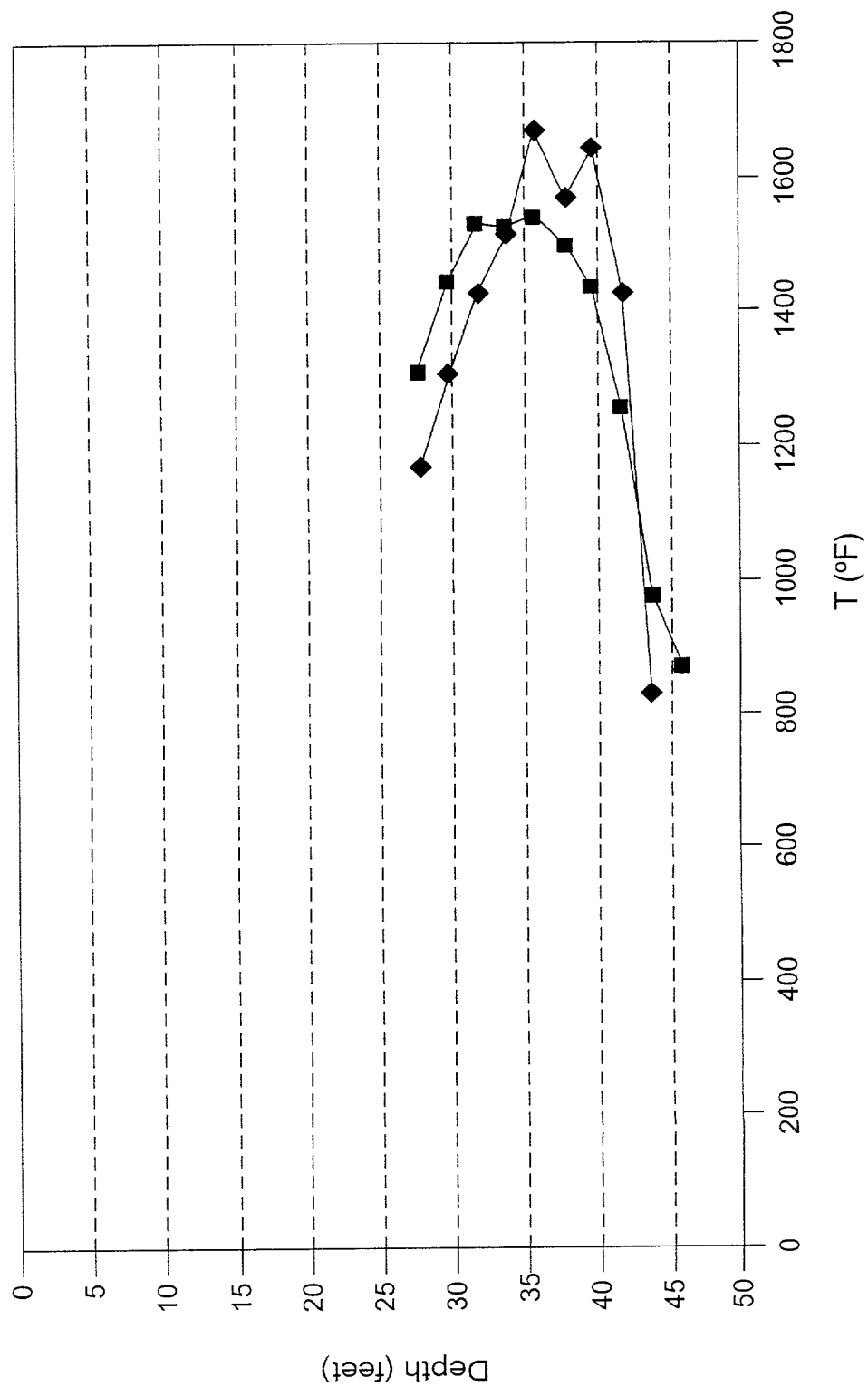


FIG. 92

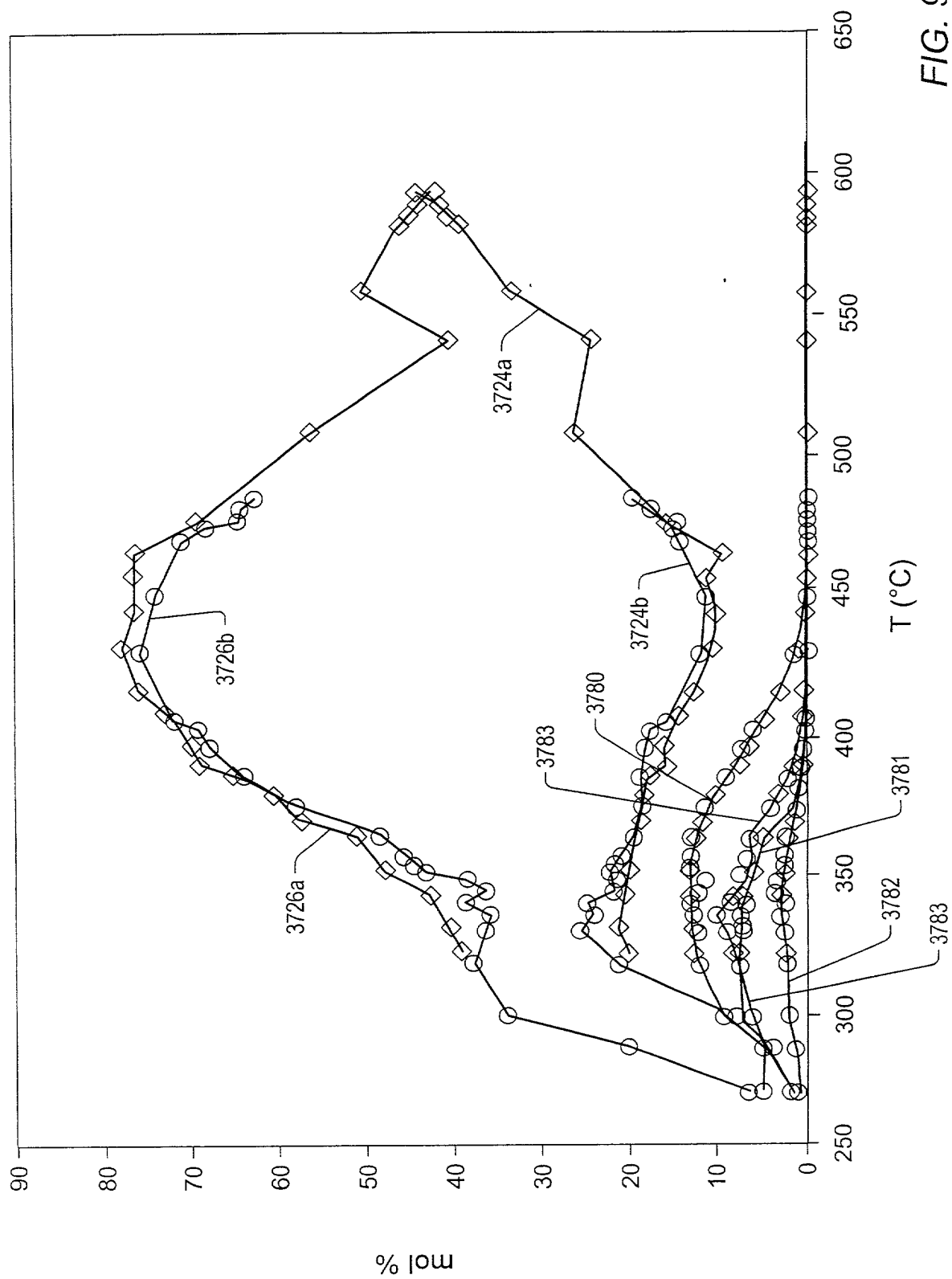


FIG. 93

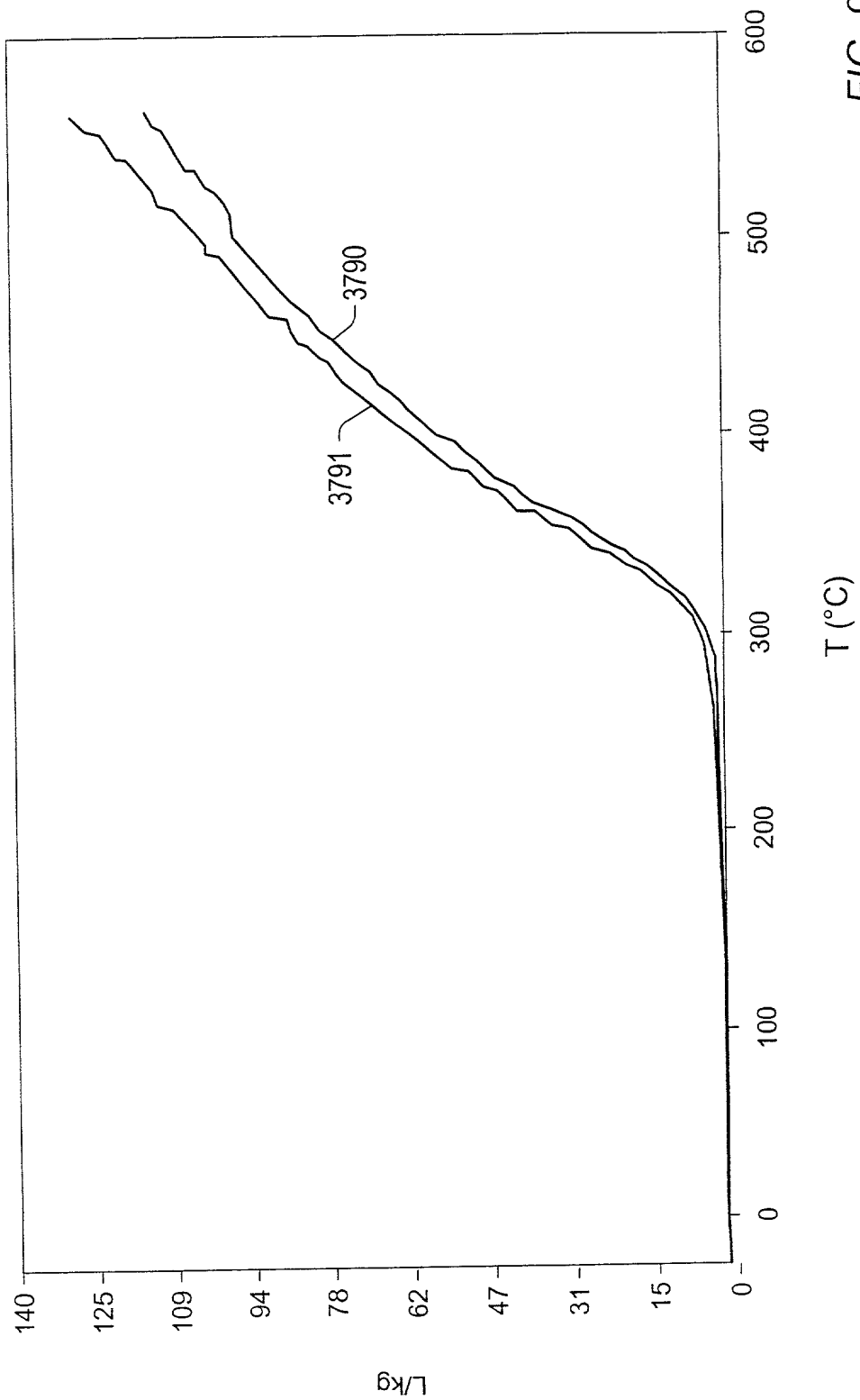
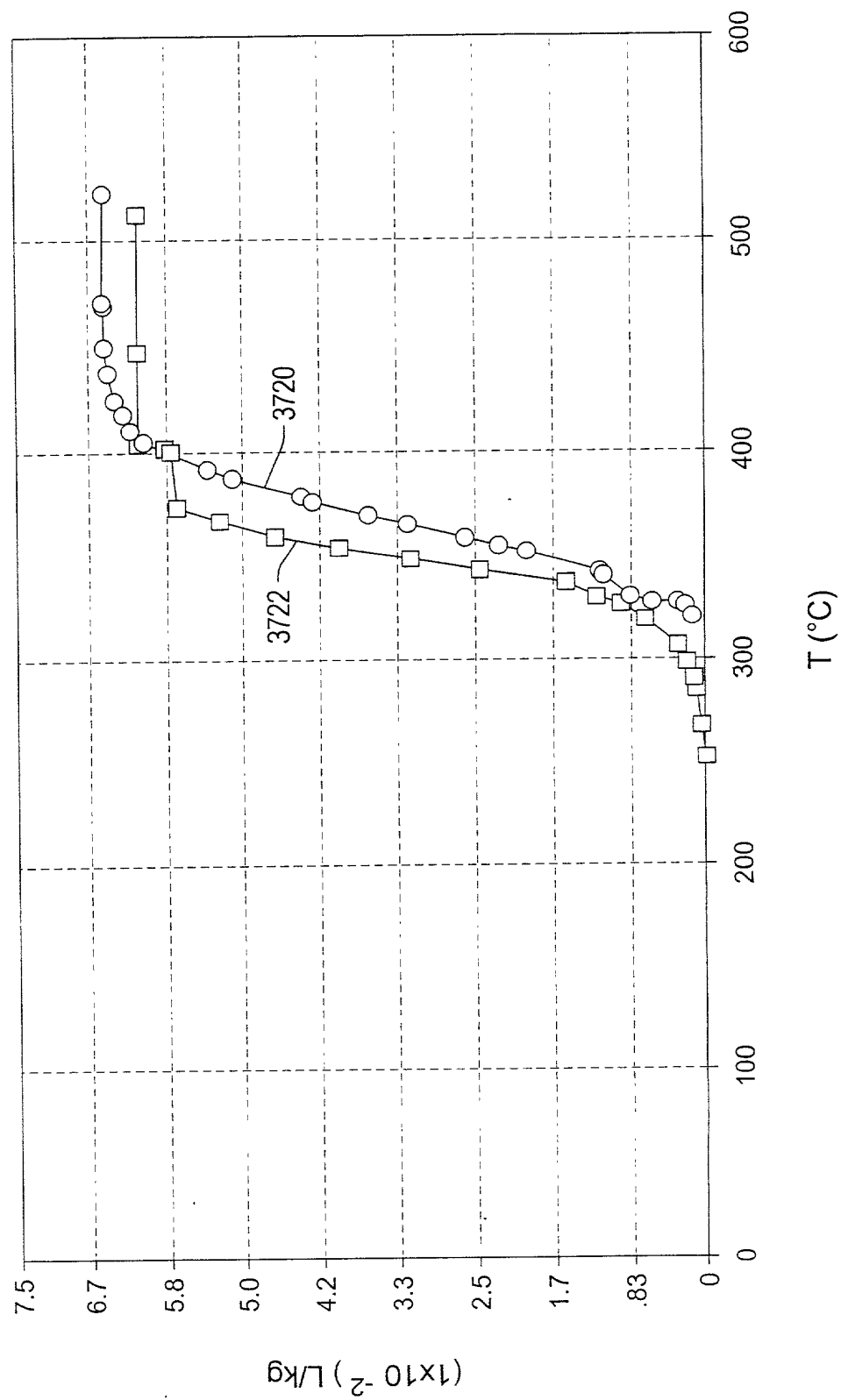


FIG. 94

[illegible]

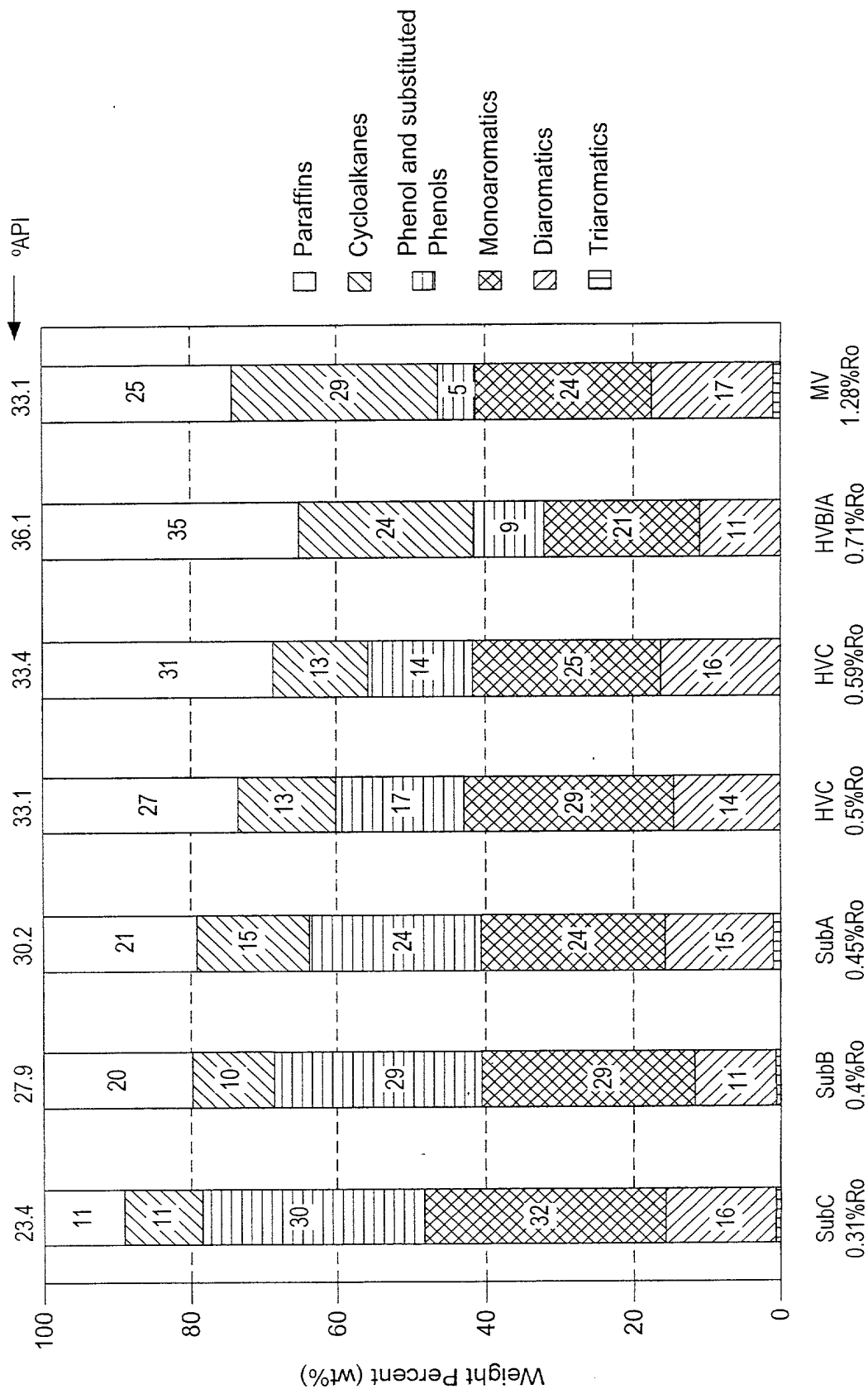


FIG. 96

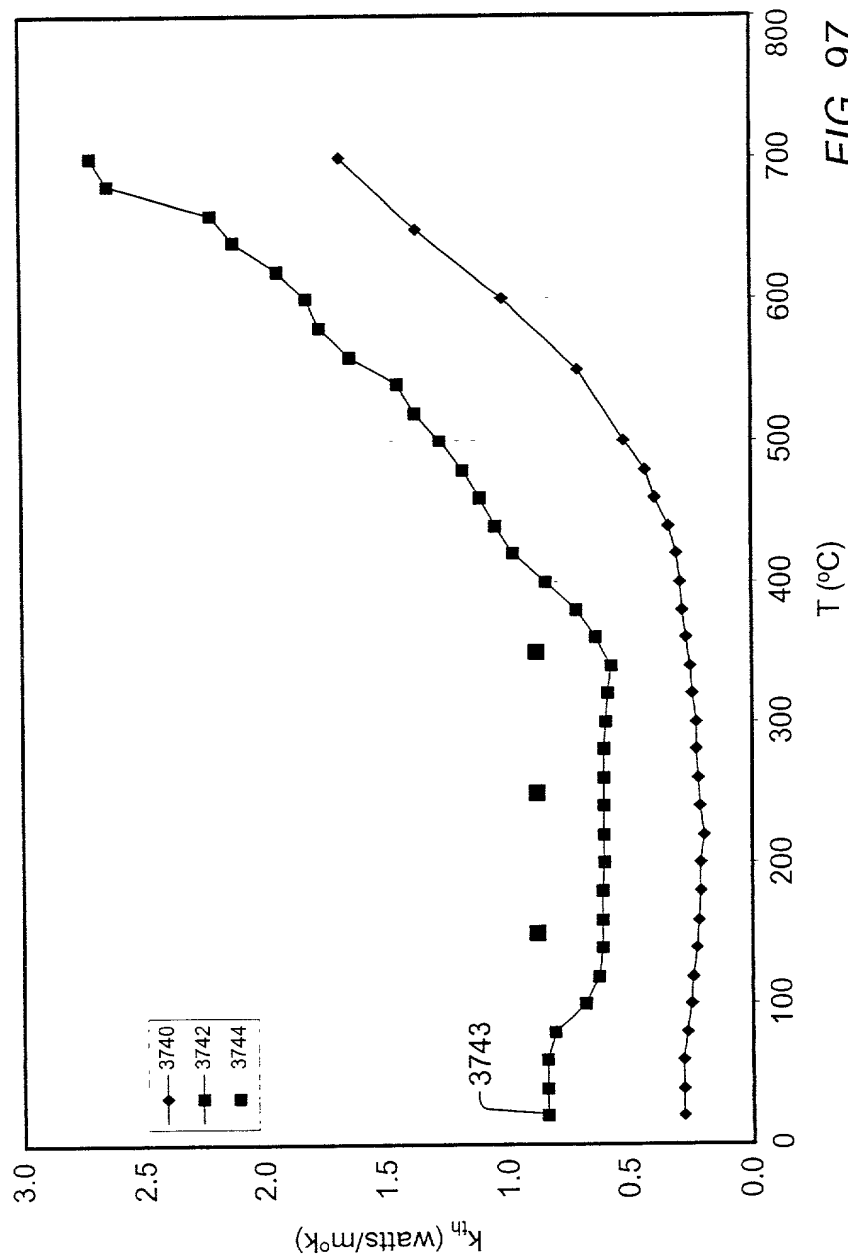


FIG. 97

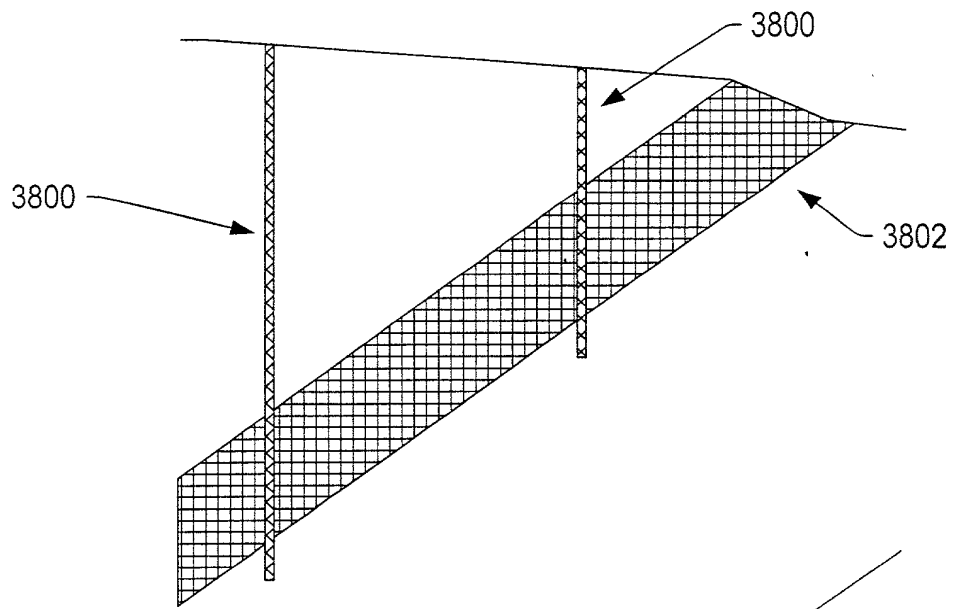


FIG. 98

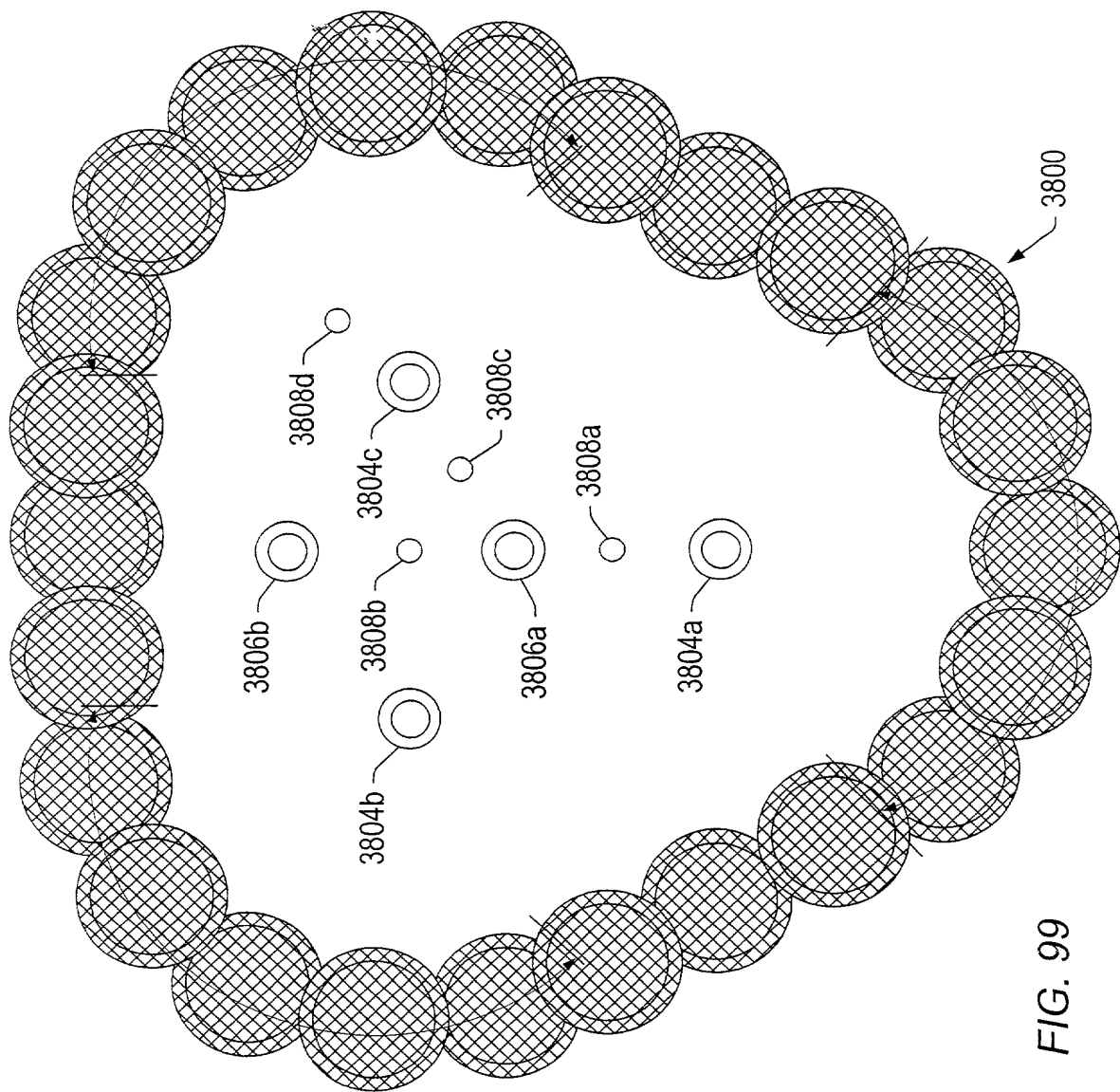


FIG. 99

FIG. 100

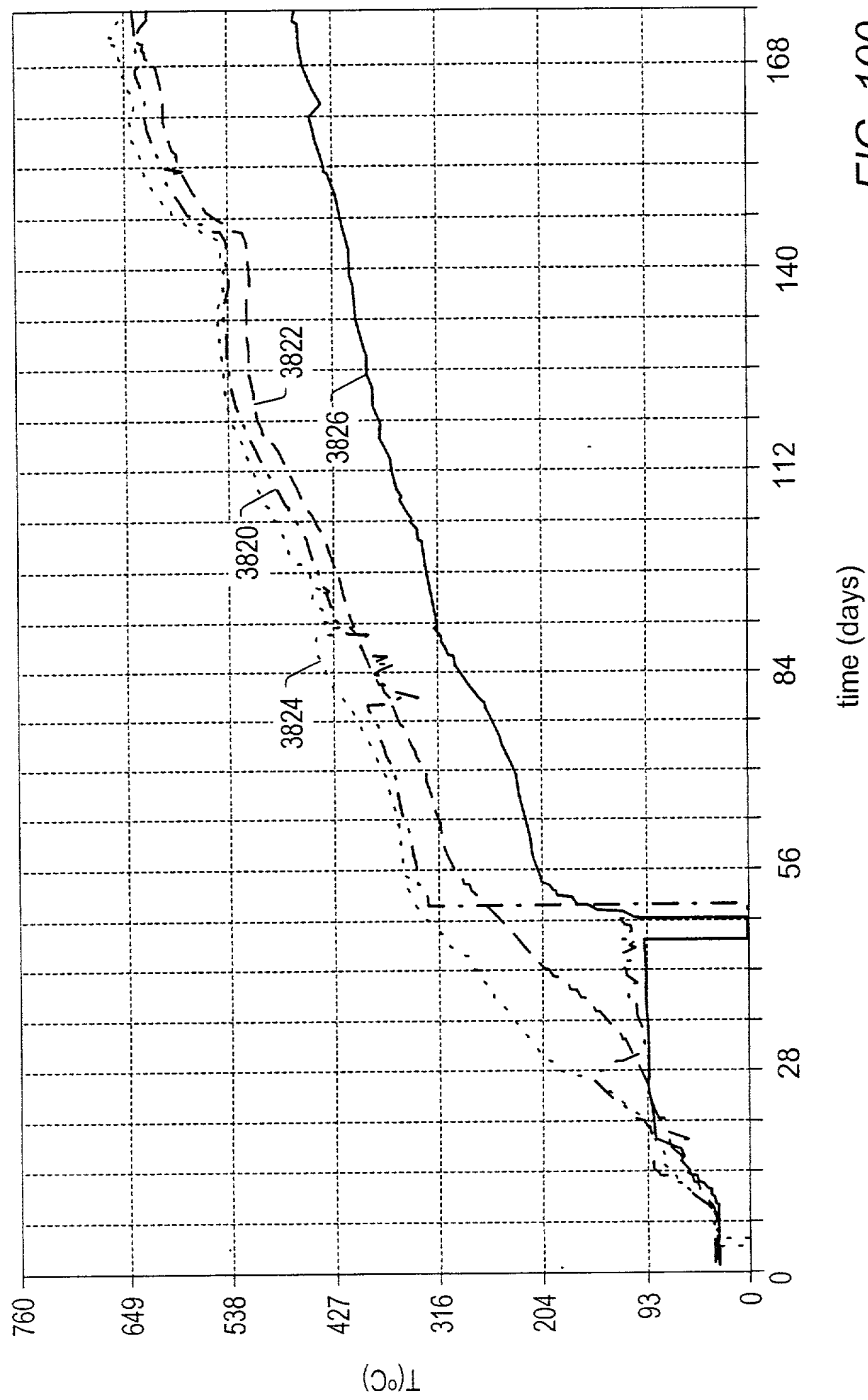


FIG. 100

FIG. 101

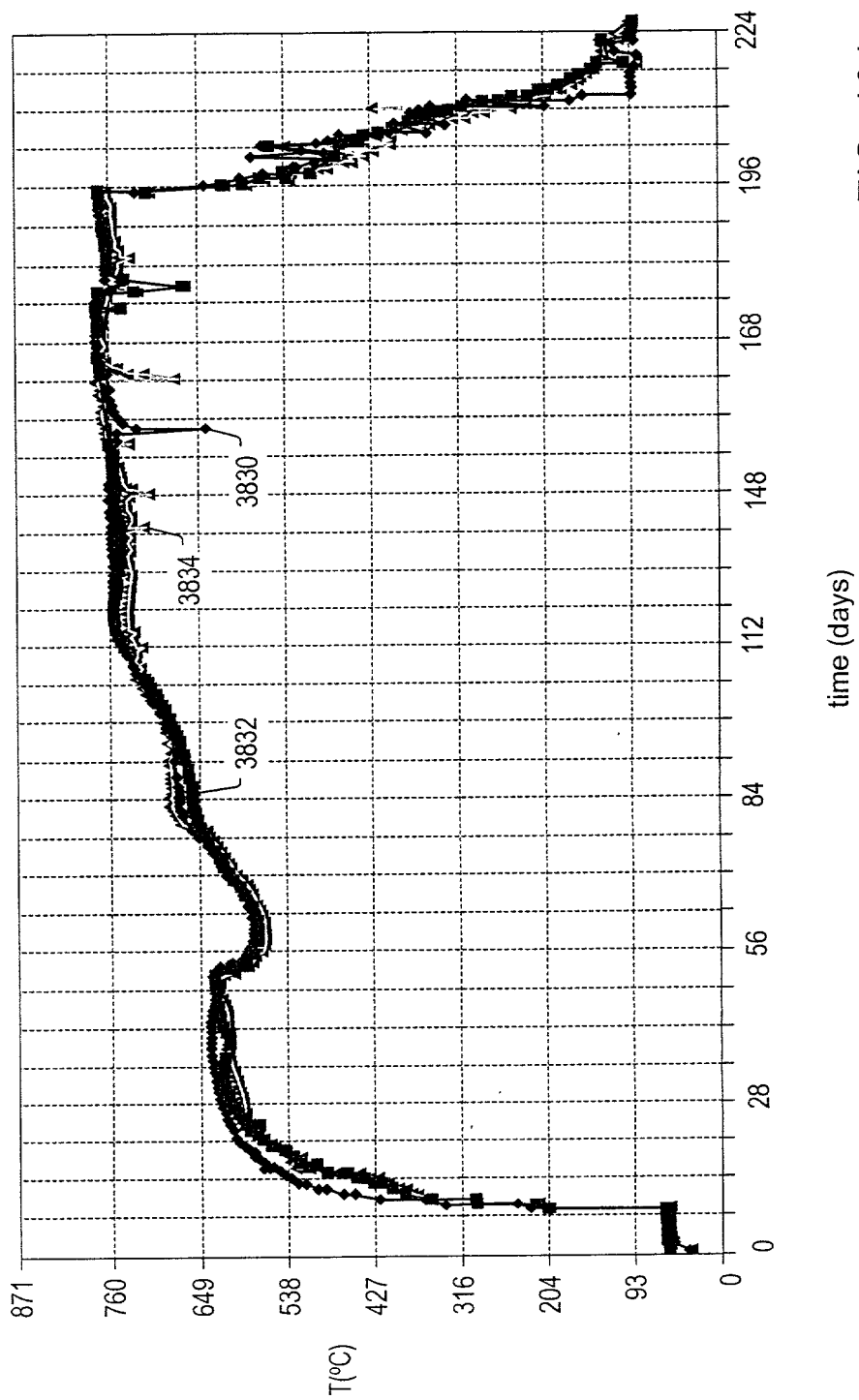


FIG. 101

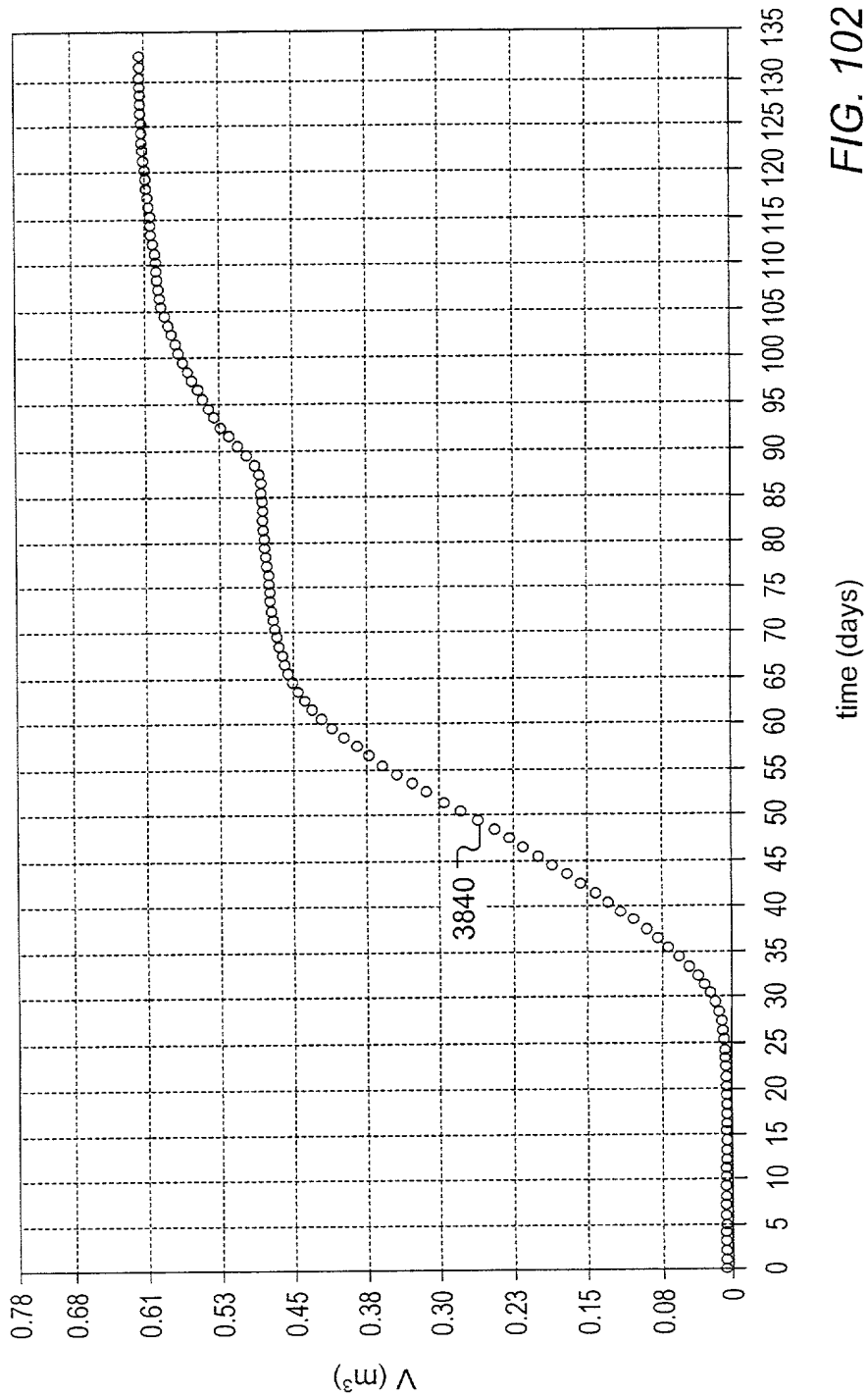


FIG. 102

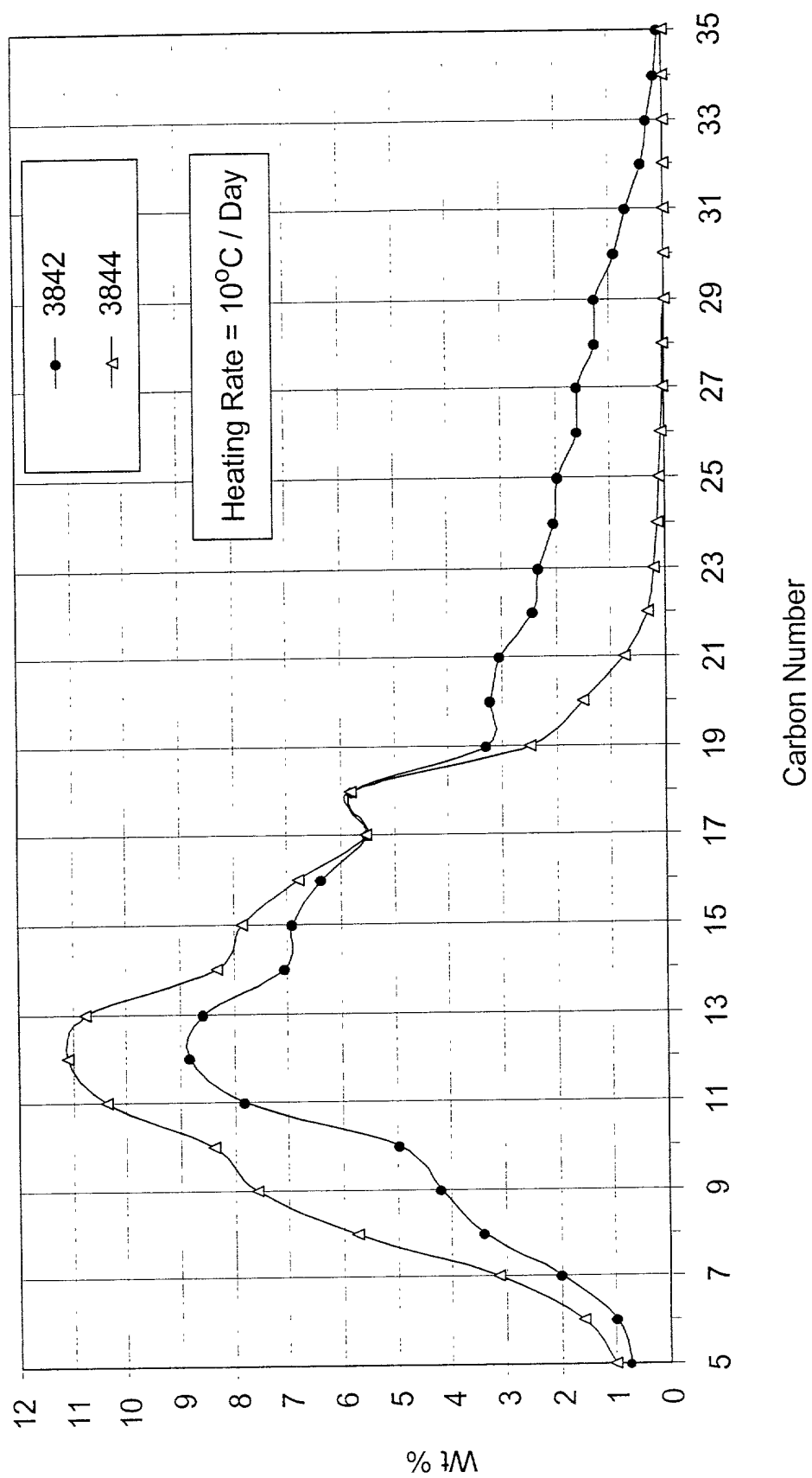


FIG. 104

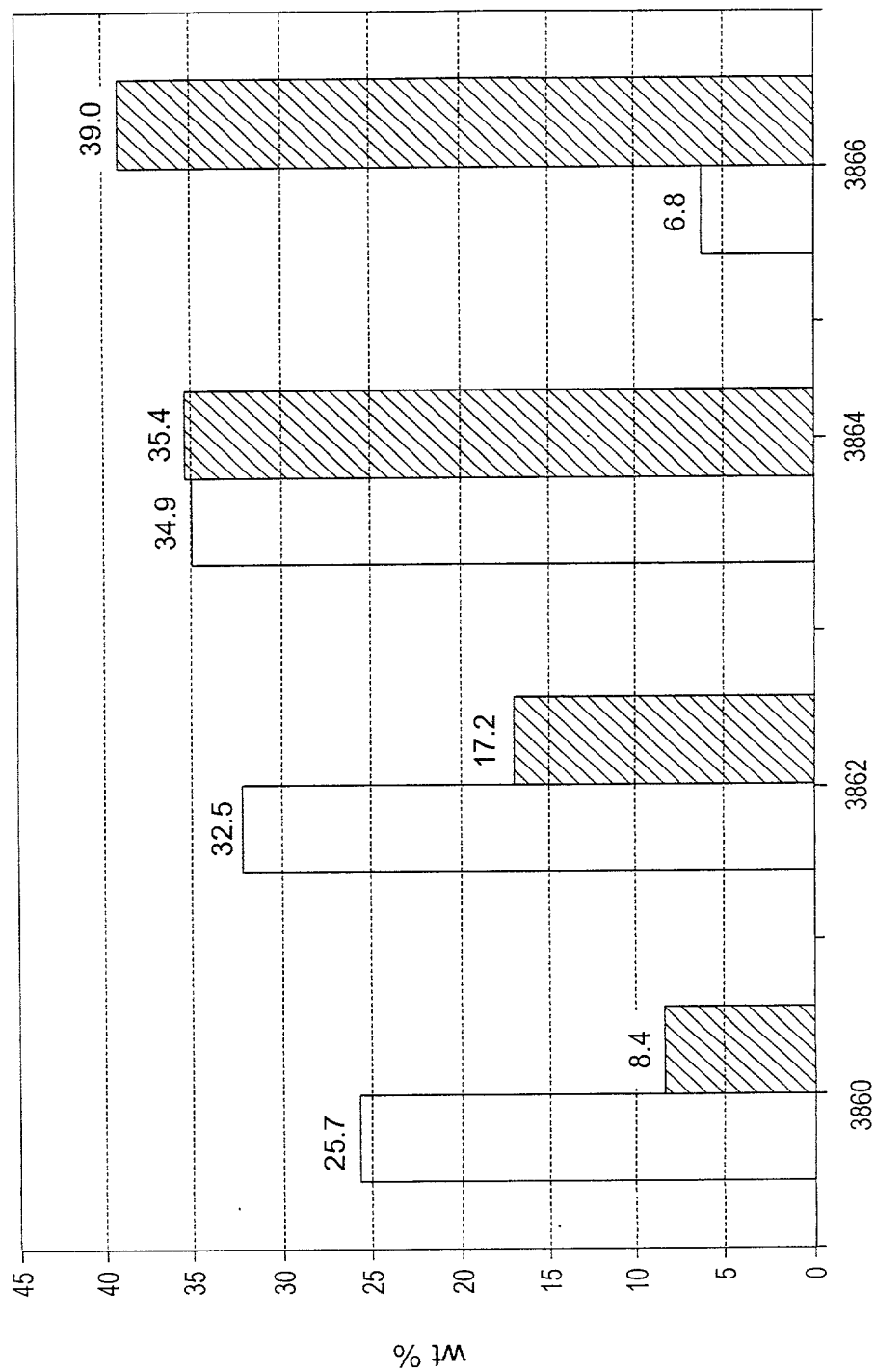


FIG. 105

FIG. 106

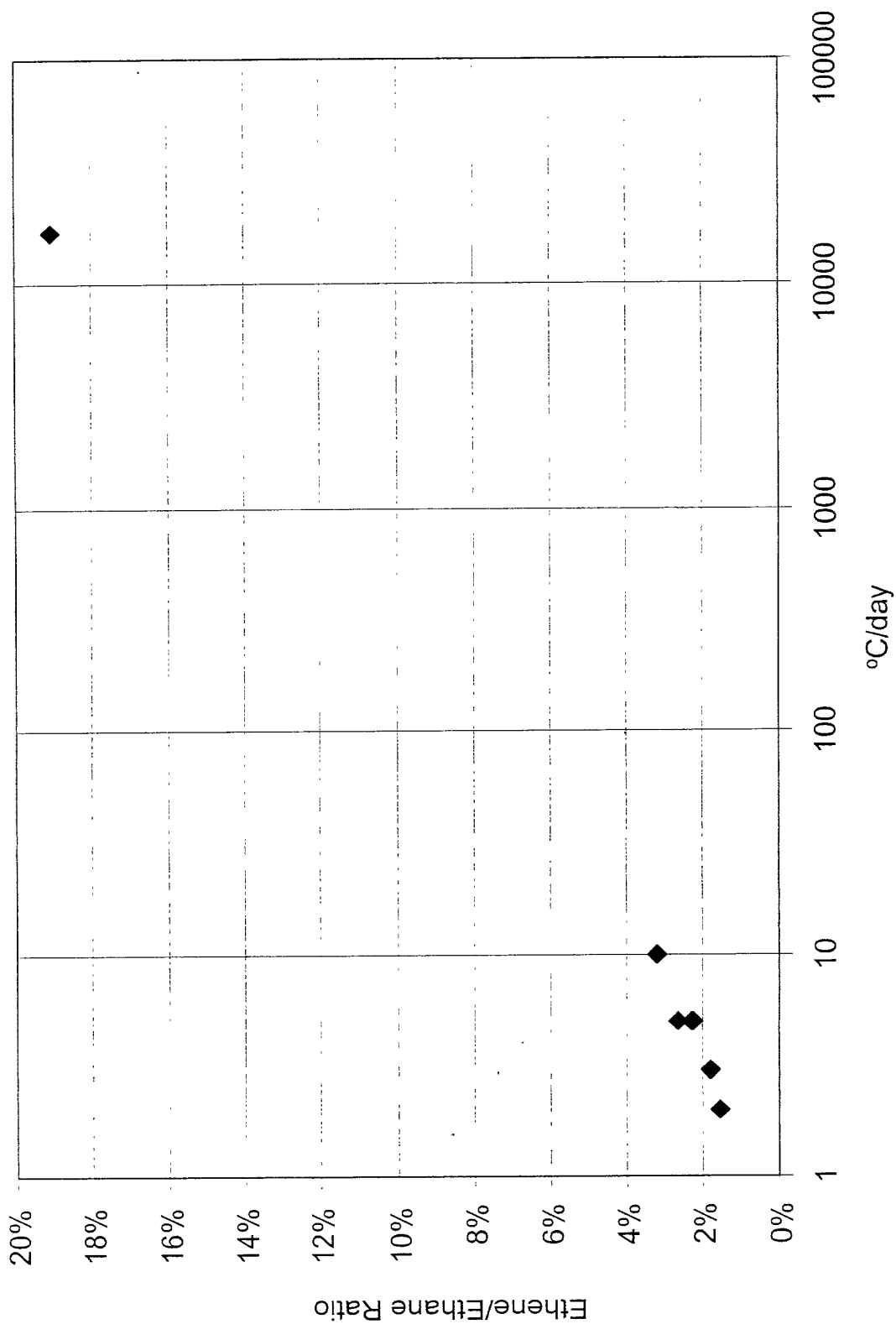


FIG. 106

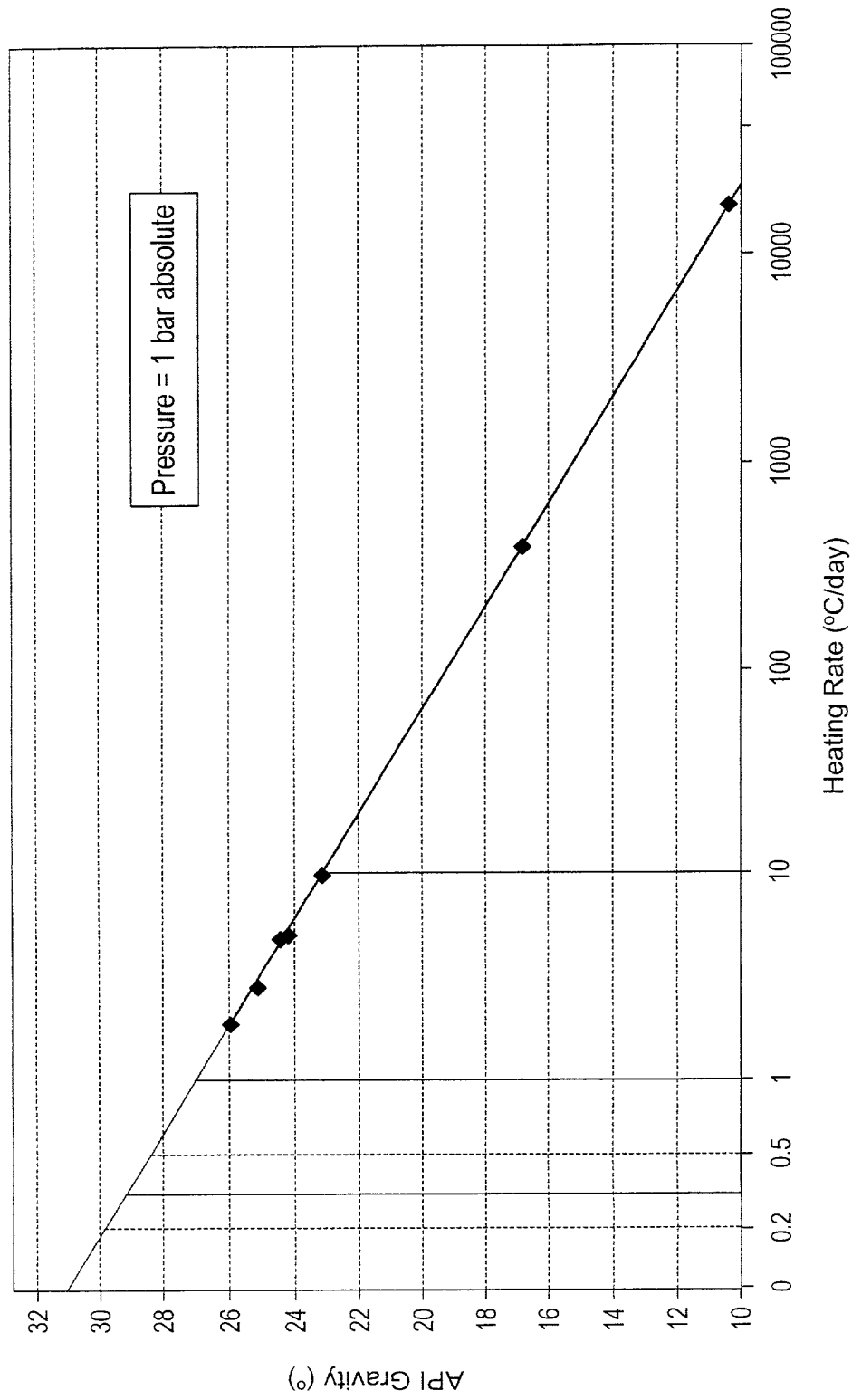


FIG. 107

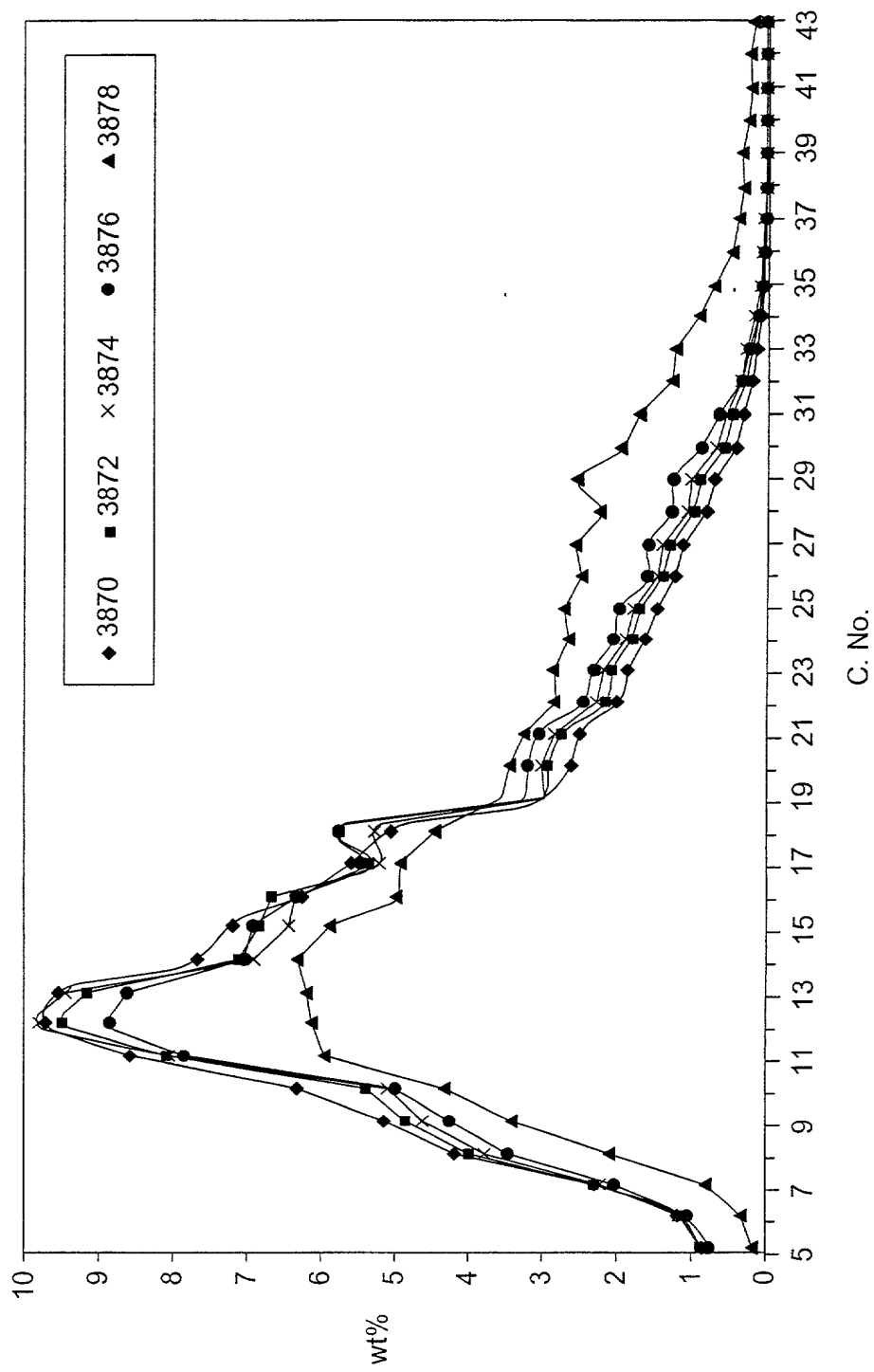
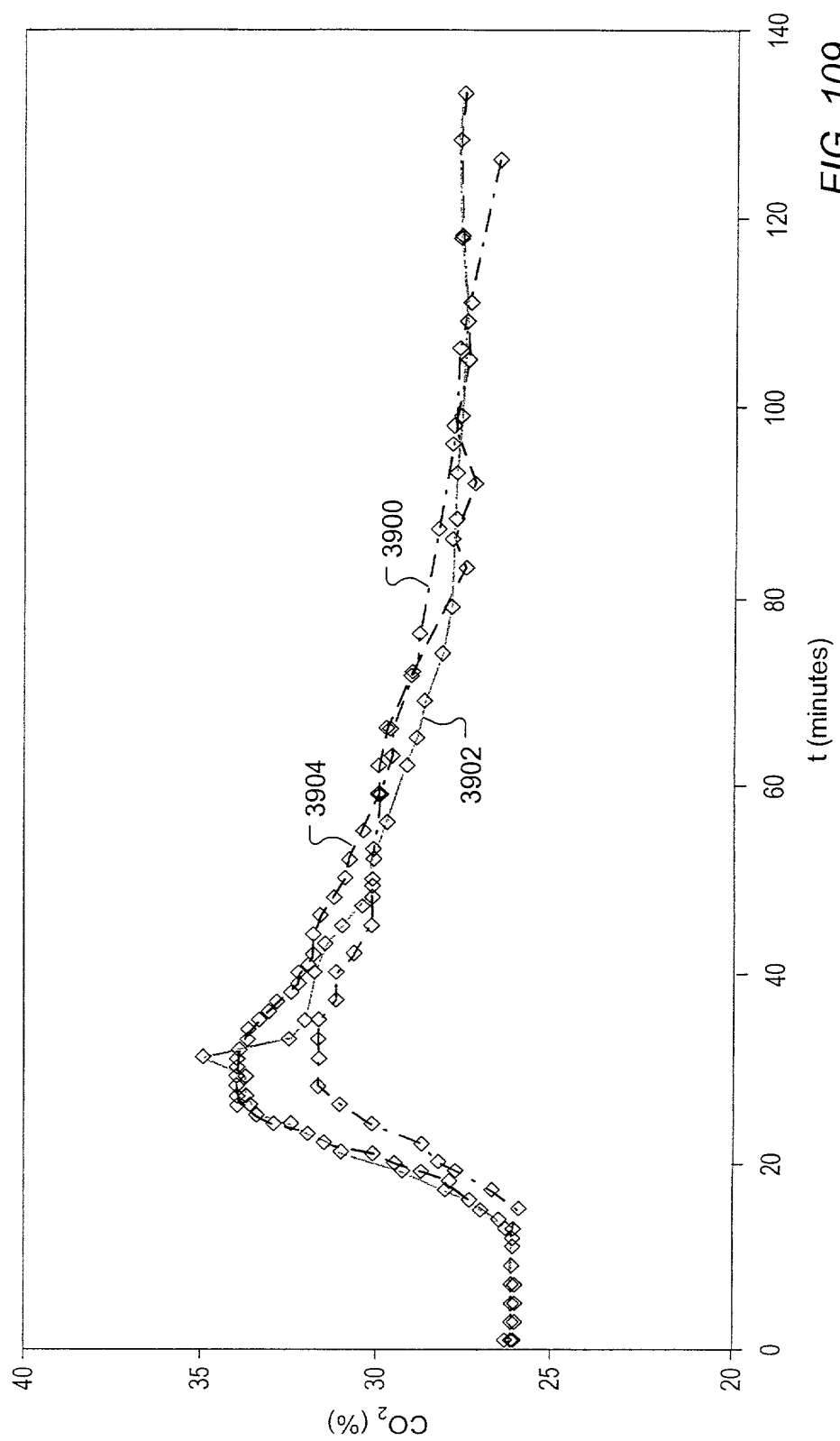
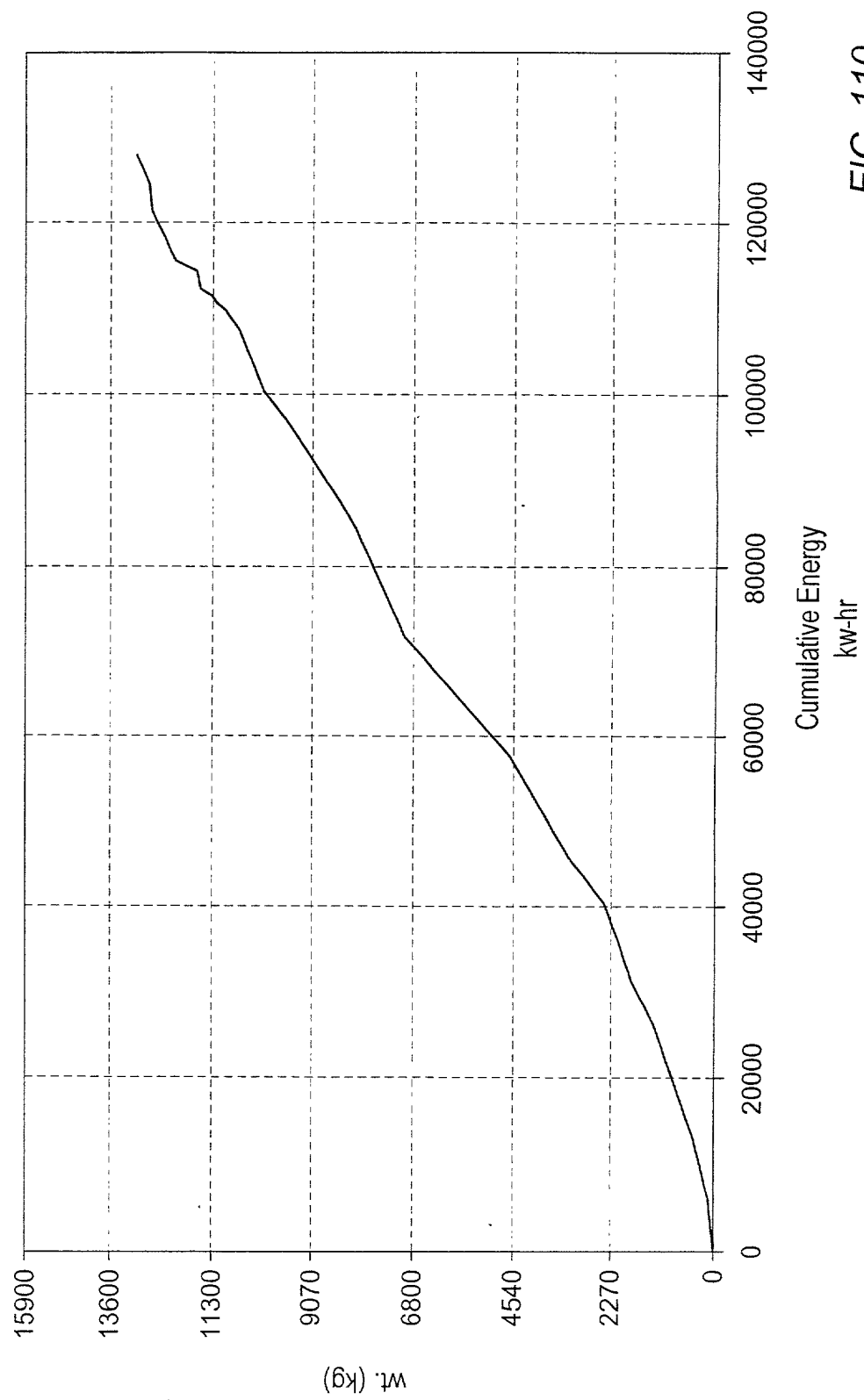


FIG. 108





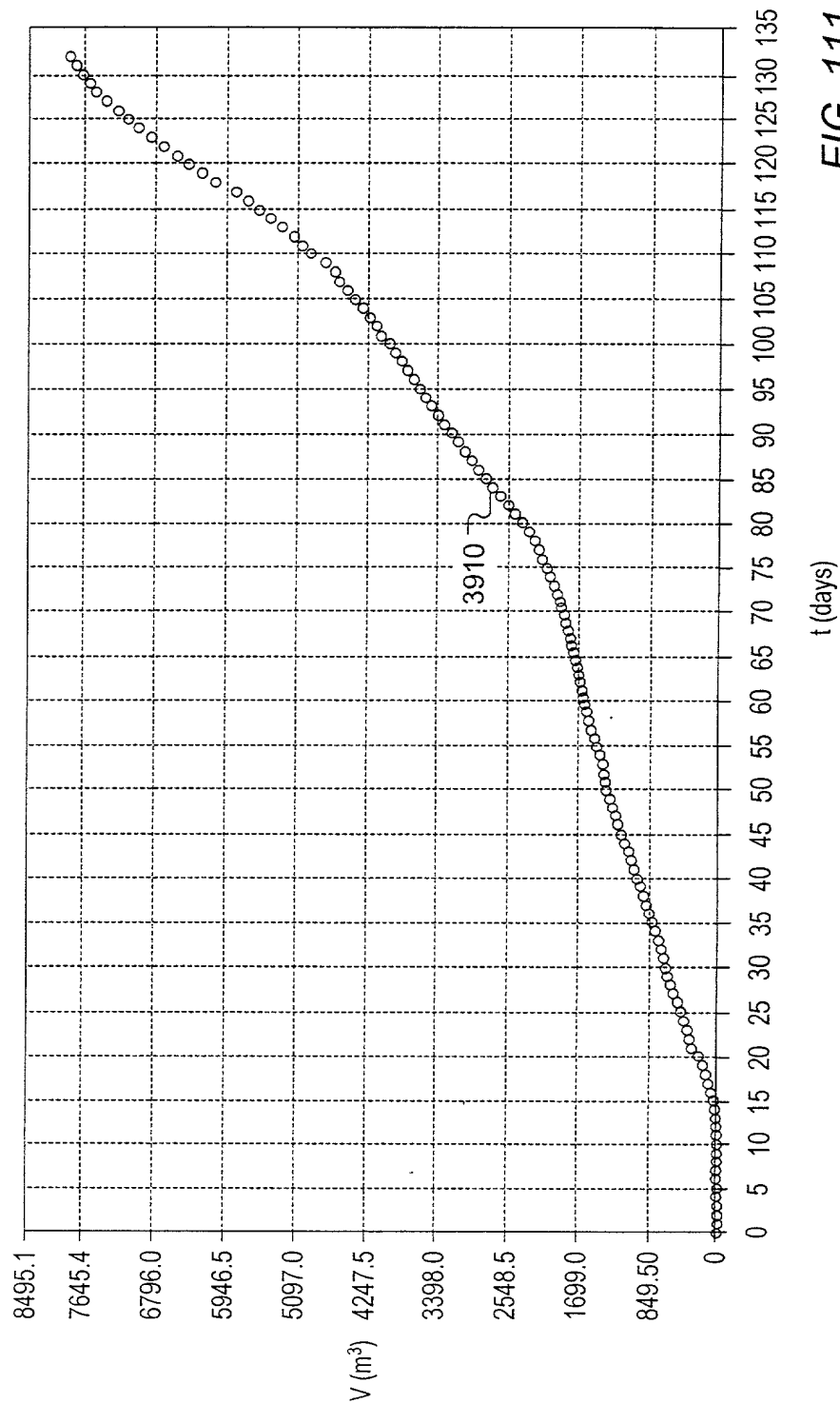


FIG. 111

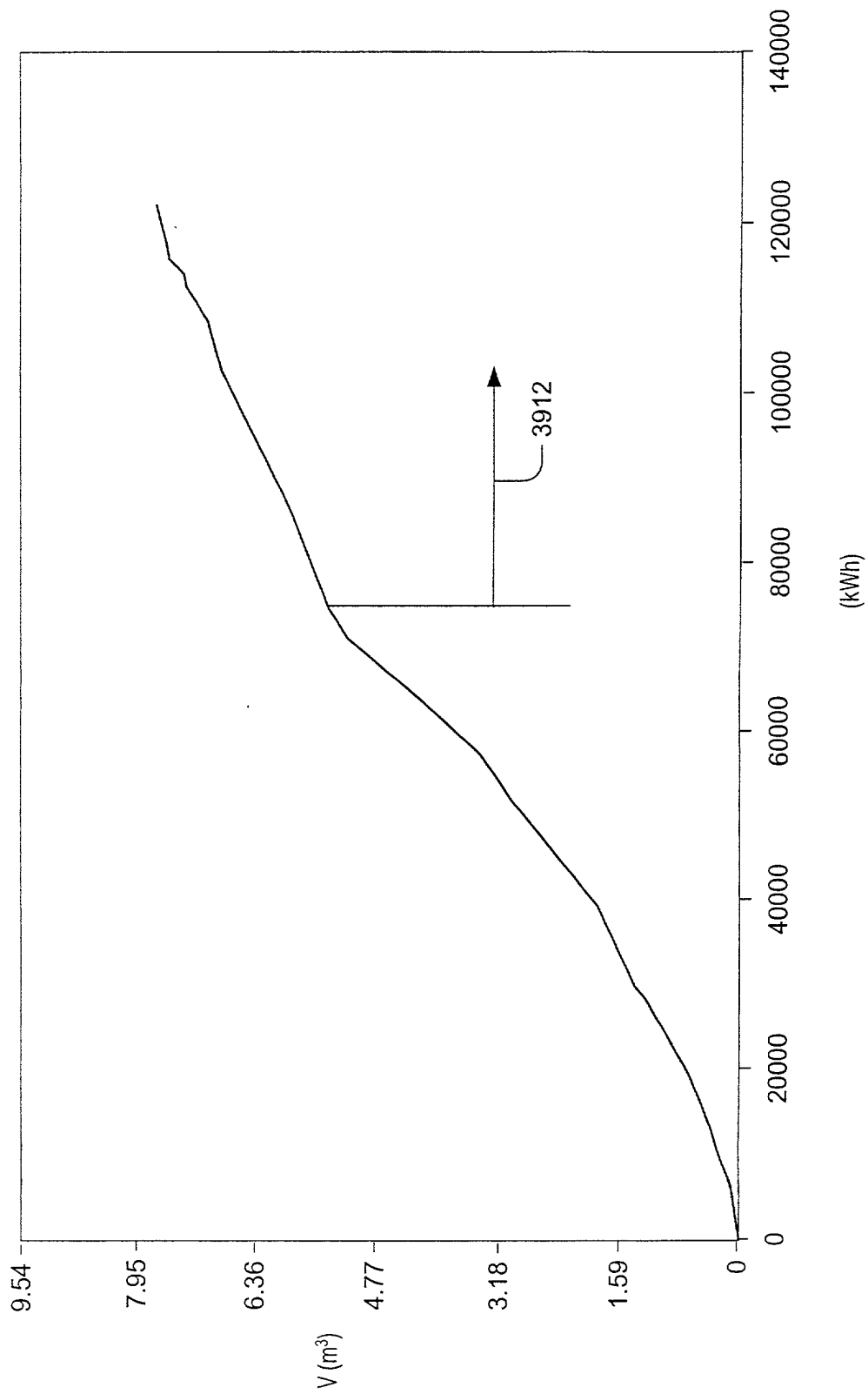


FIG. 112

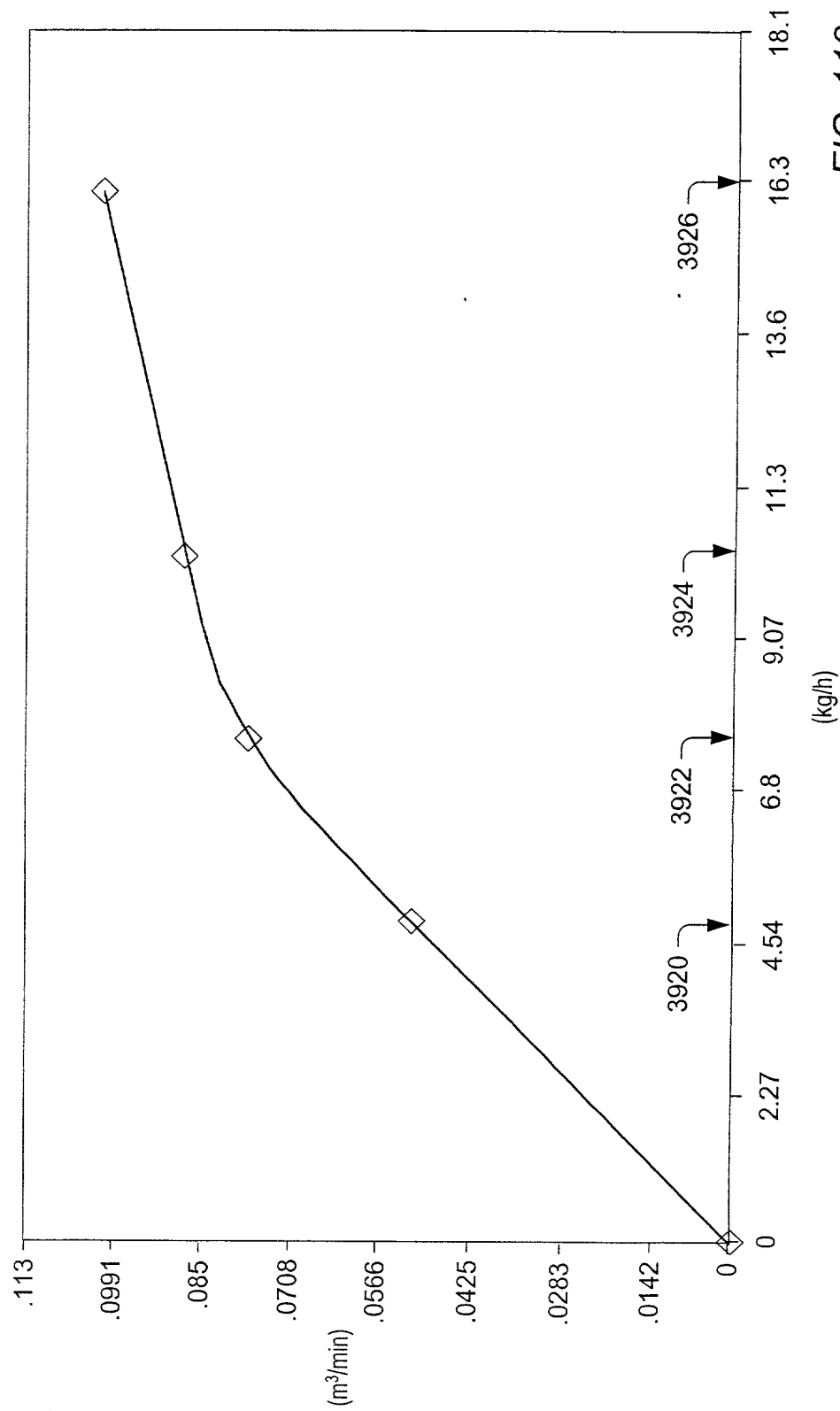


FIG. 113

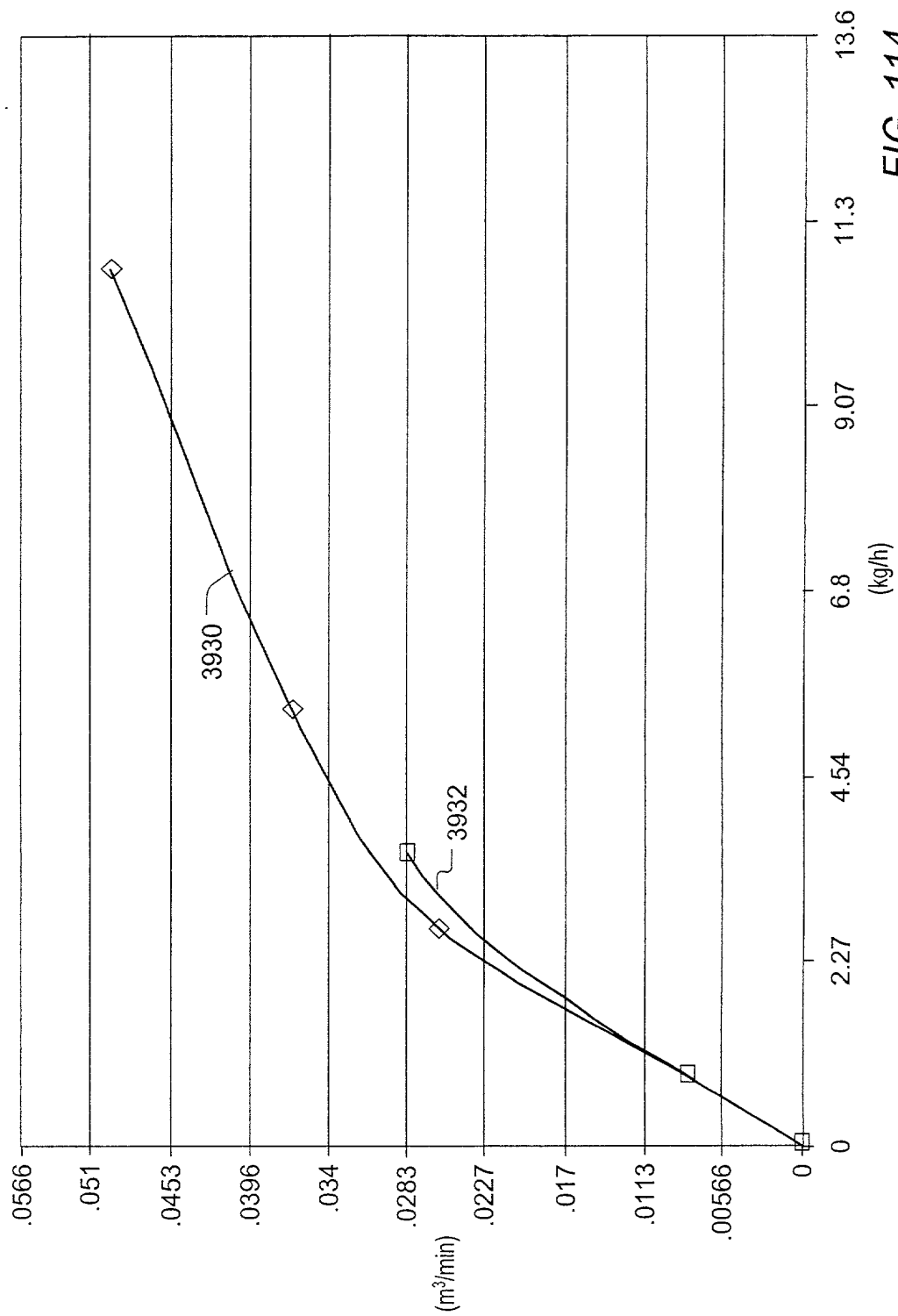


FIG. 114

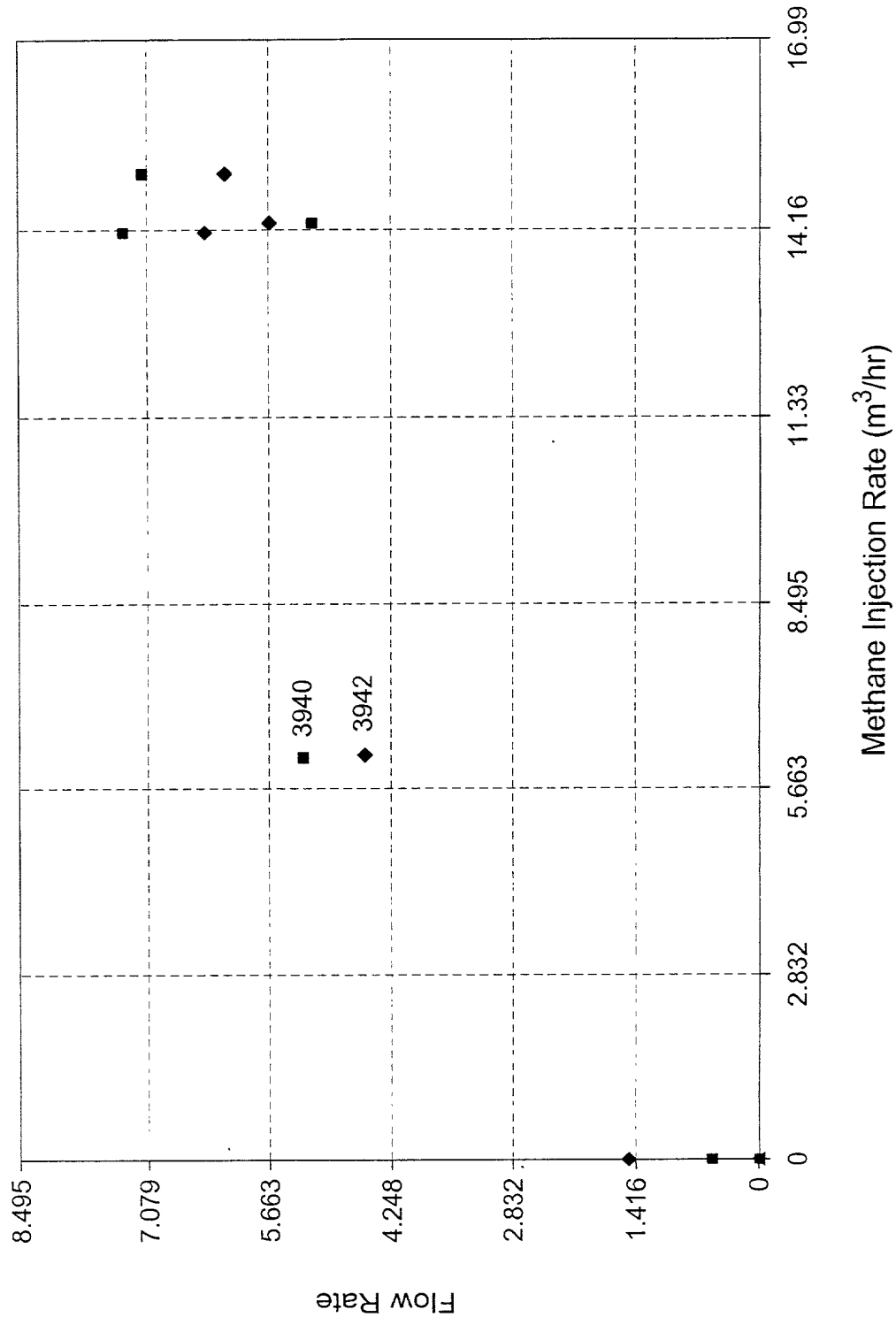
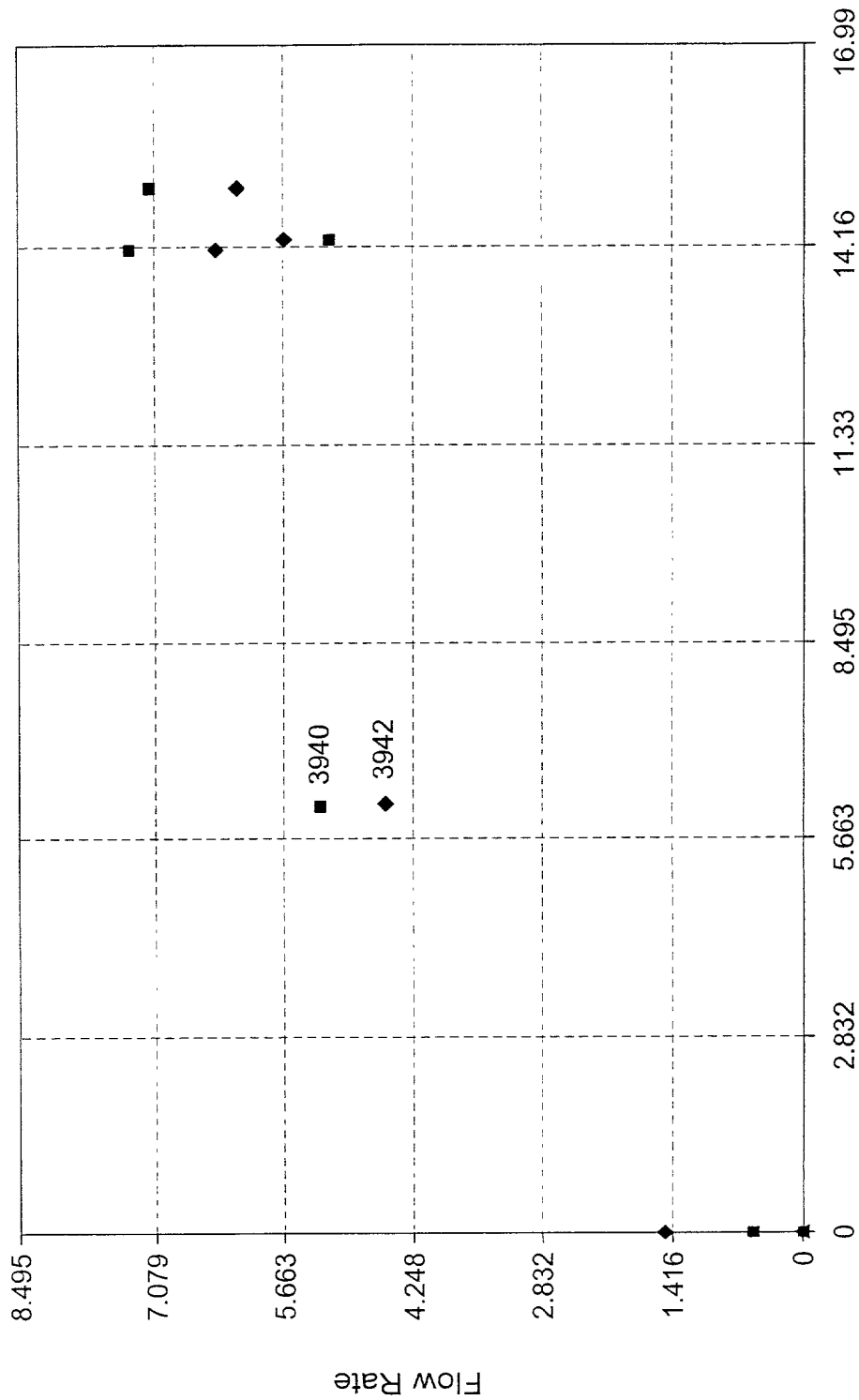


FIG. 115

Flow Rate (m³/hr)



Methane Injection Rate (m³/hr)

FIG. 115

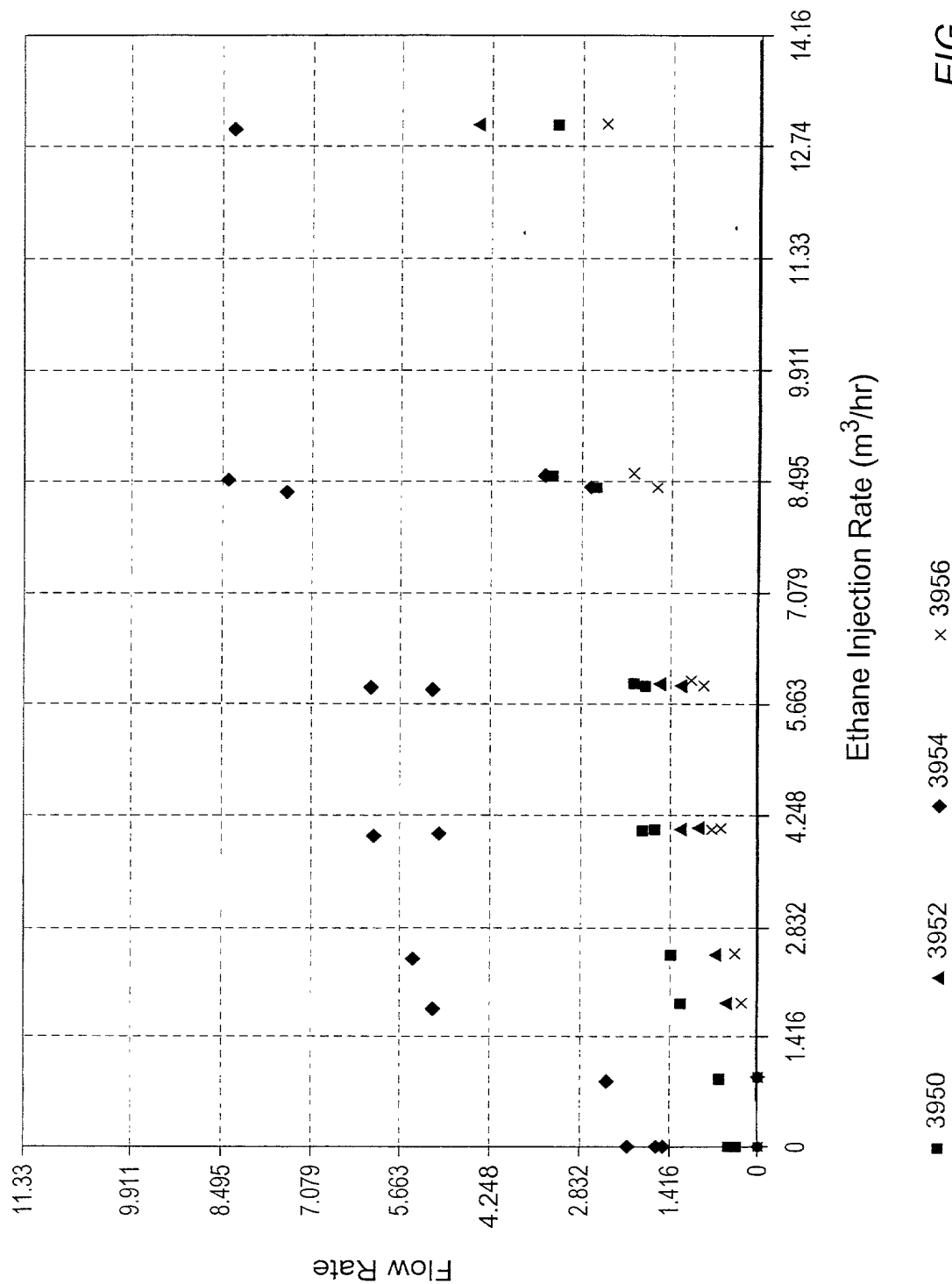


FIG. 116

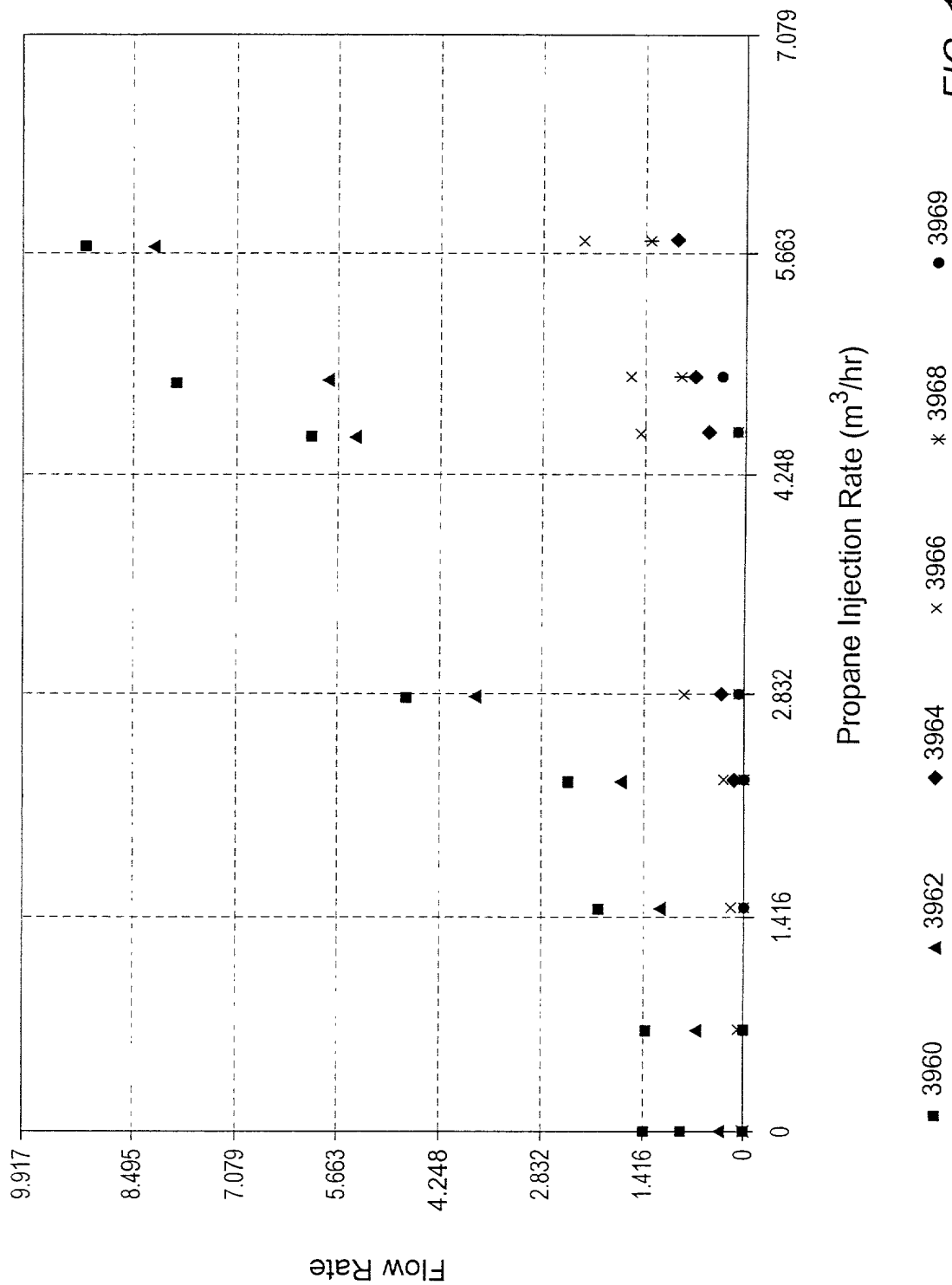
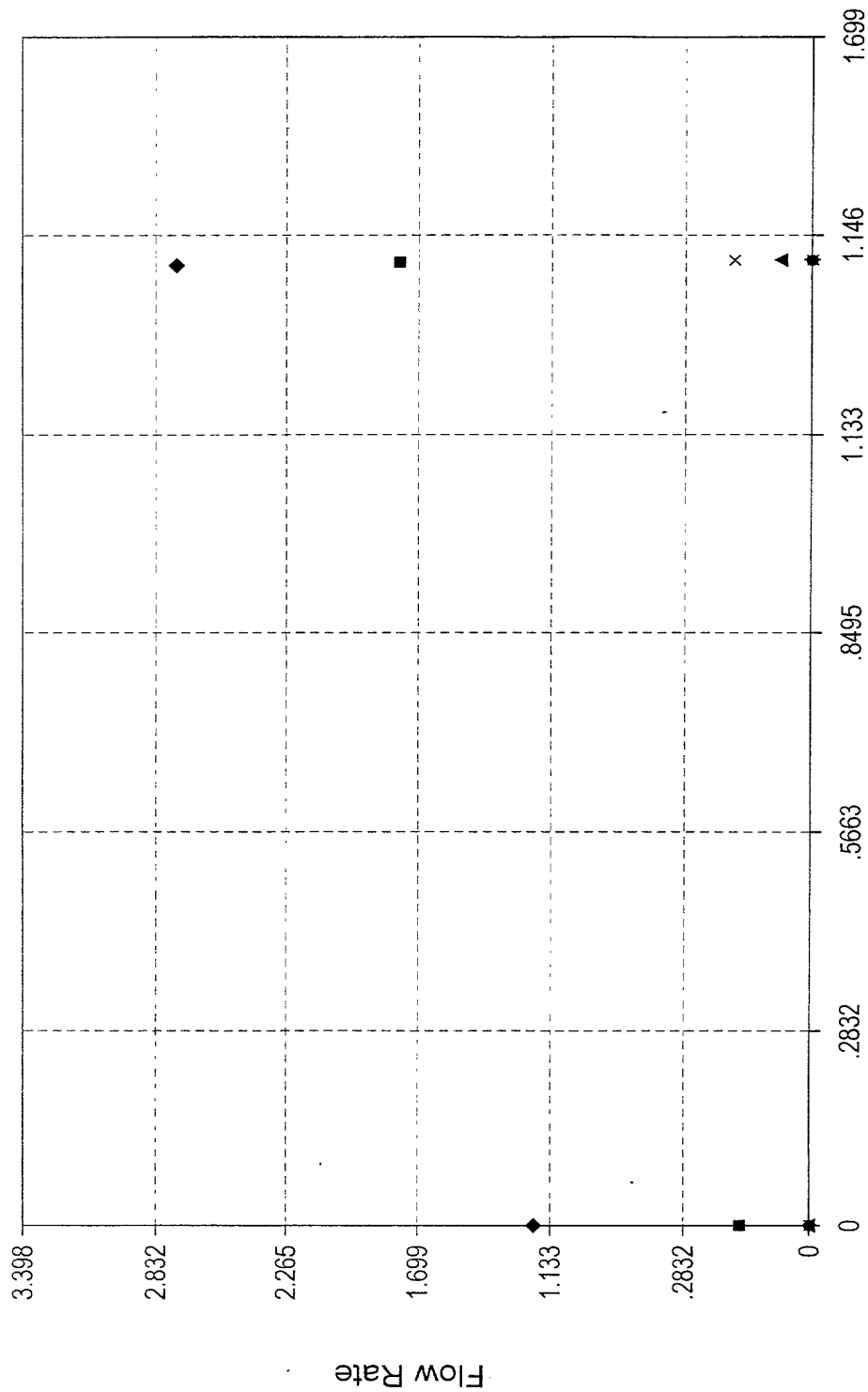


FIG. 117

Flow Rate vs. Butane Injection Rate



Butane Injection Rate (m³/hr)

■ 3970 ▲ 3972 ◆ 3974 × 3976 * 3978 ● 3979

FIG. 118

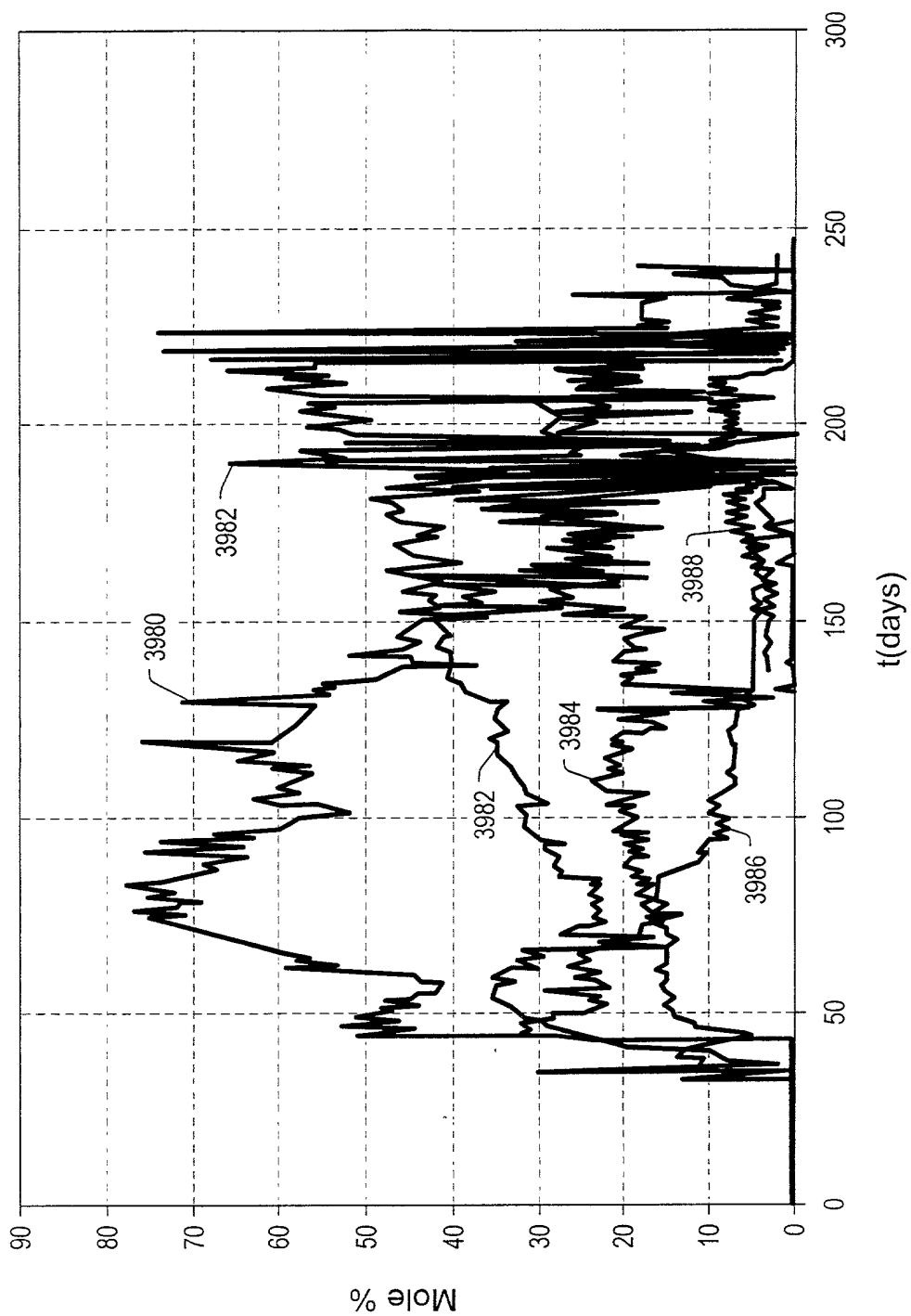


FIG. 119

FIG. 120

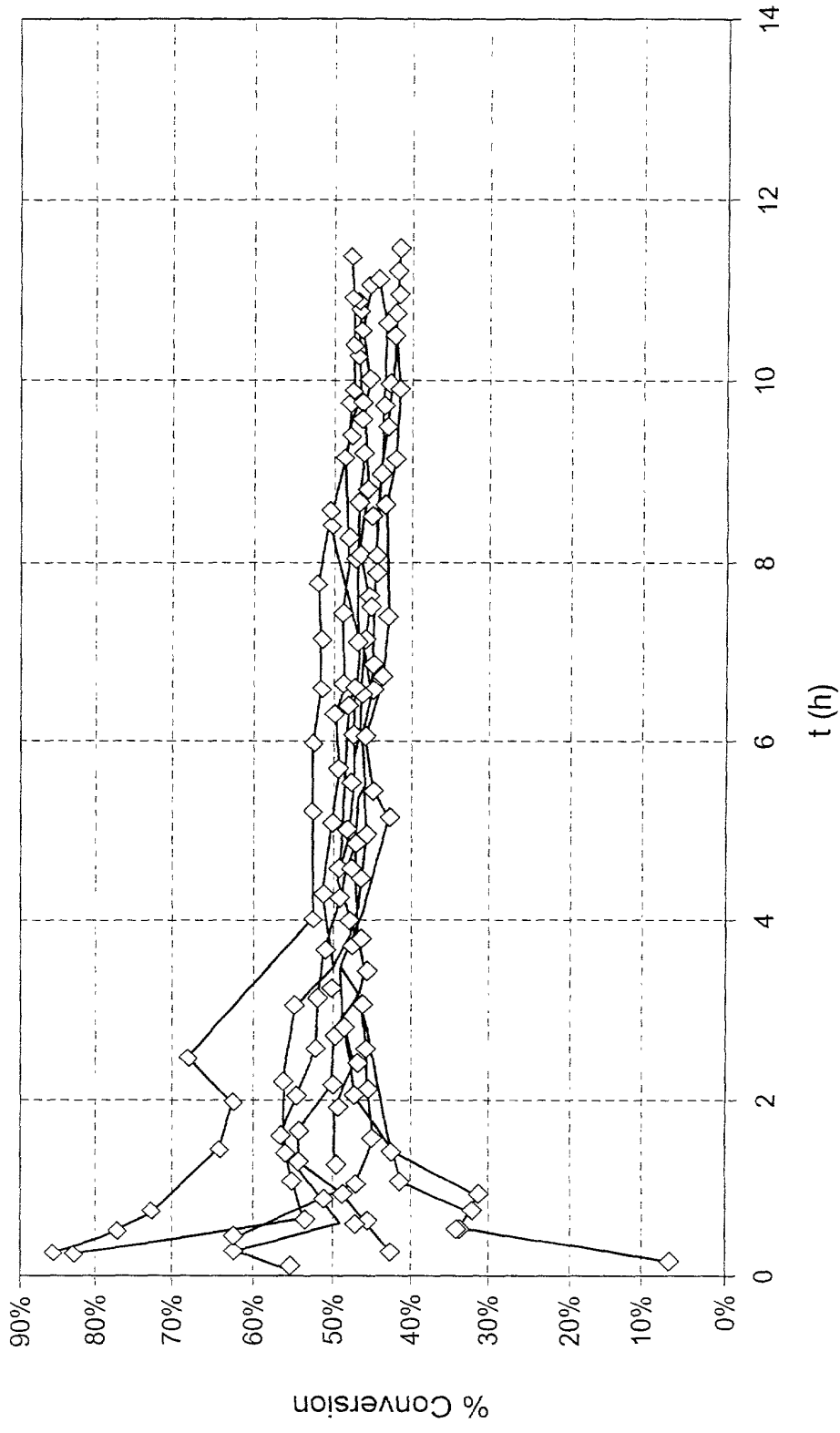


FIG. 120

FIG. 122

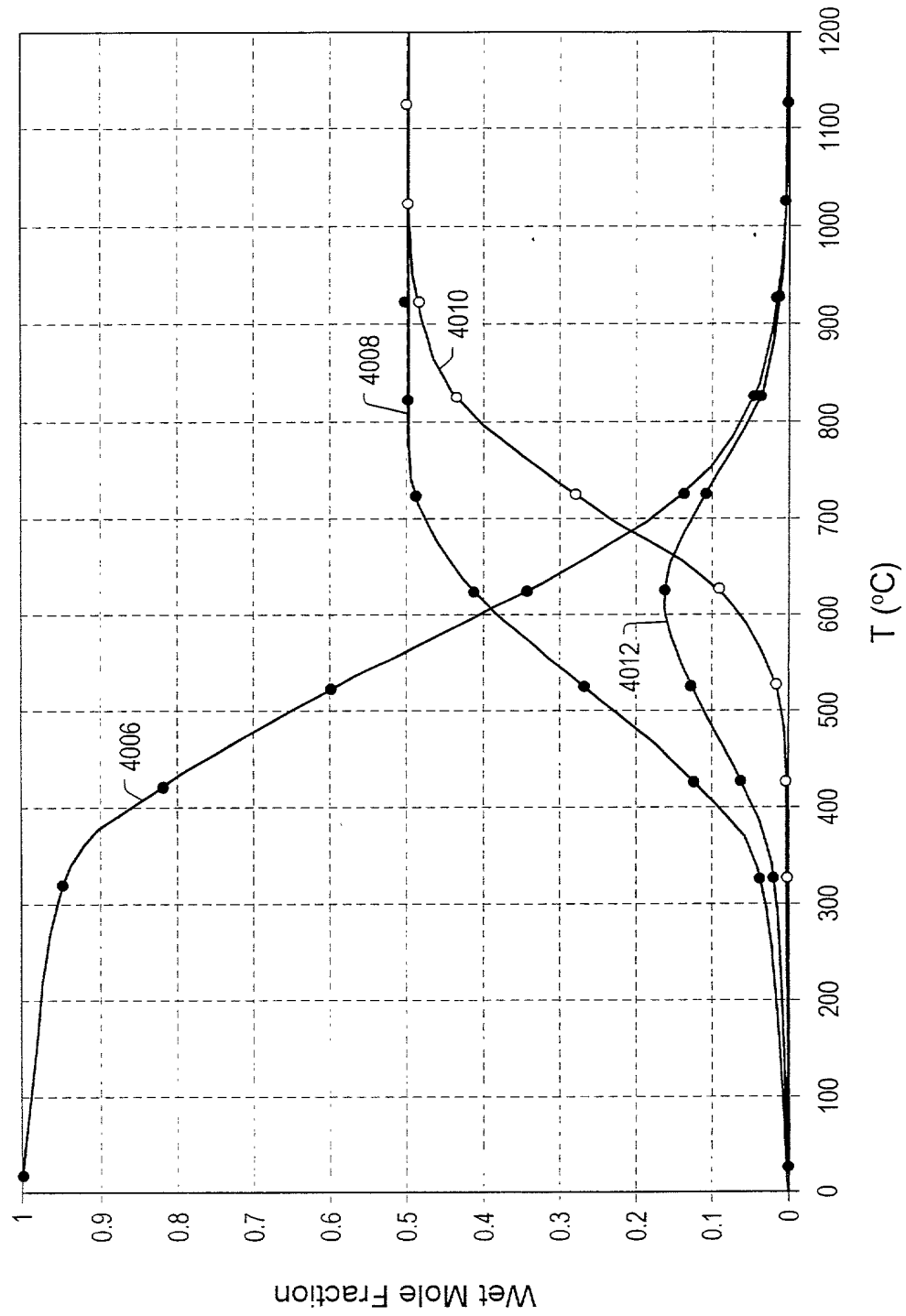


FIG. 122

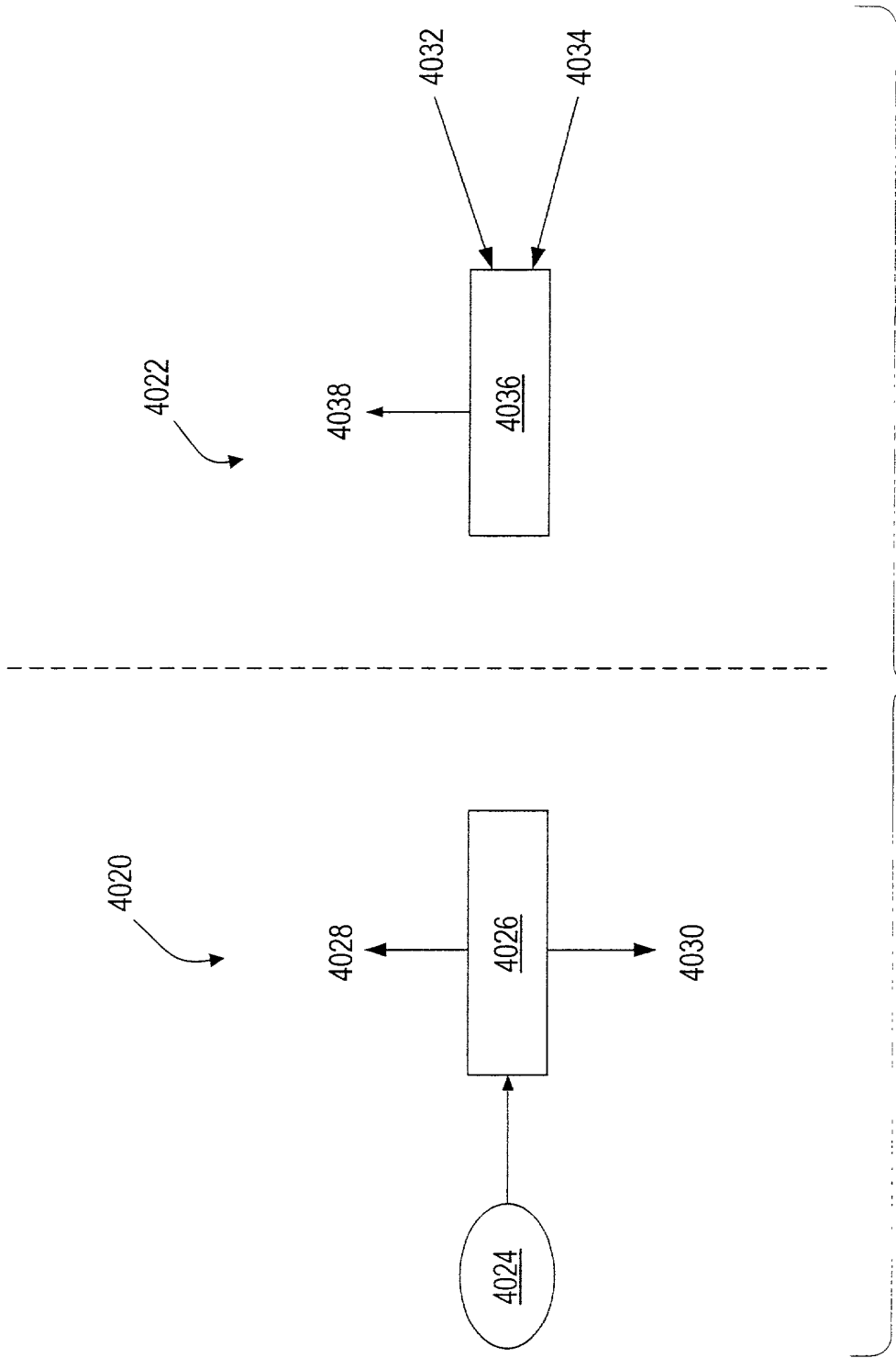


FIG. 123

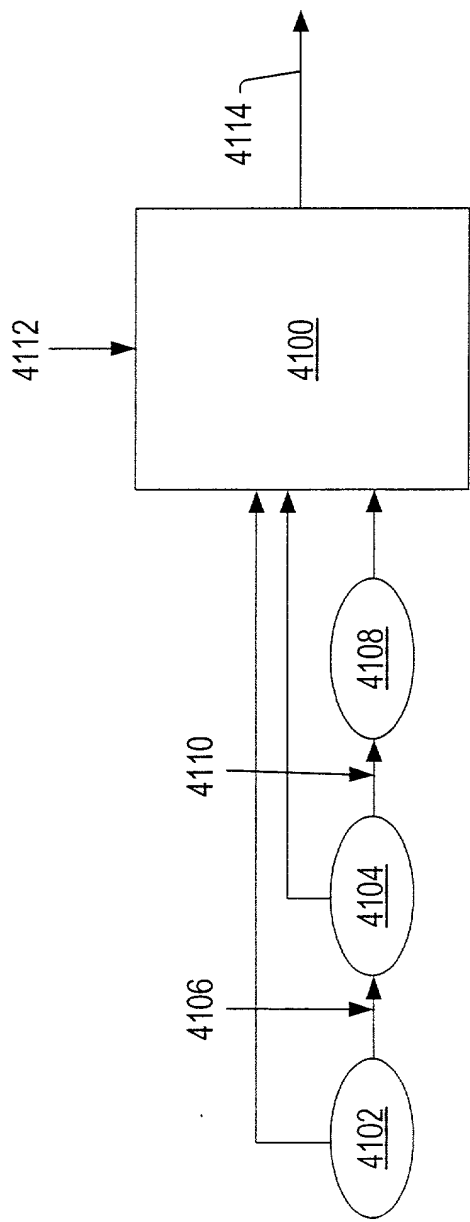


FIG. 124

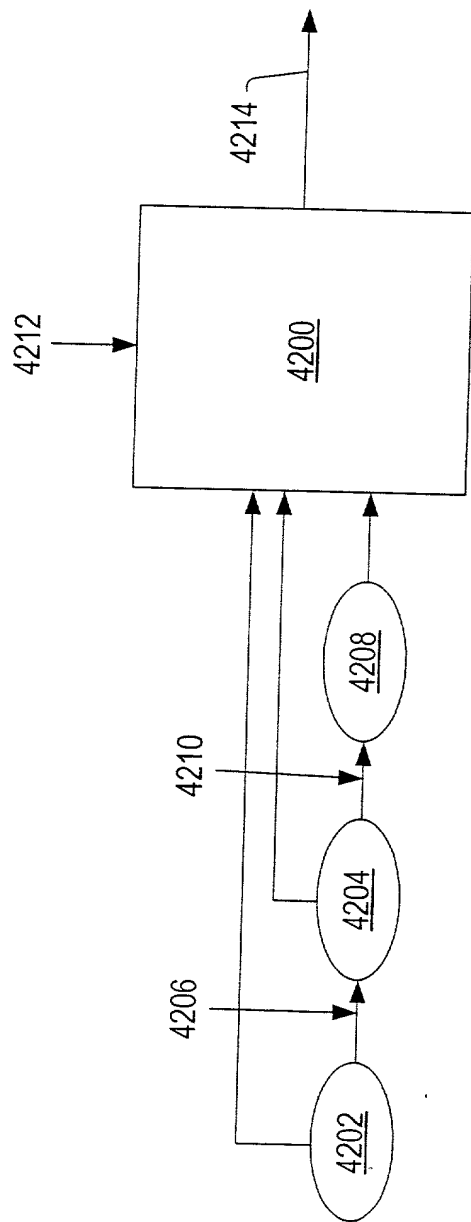


FIG. 125

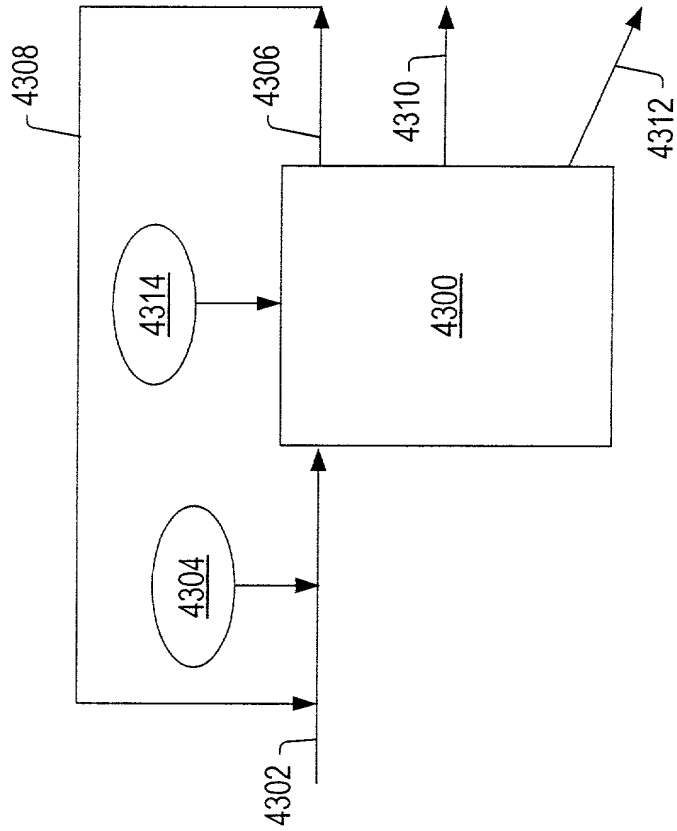


FIG. 126

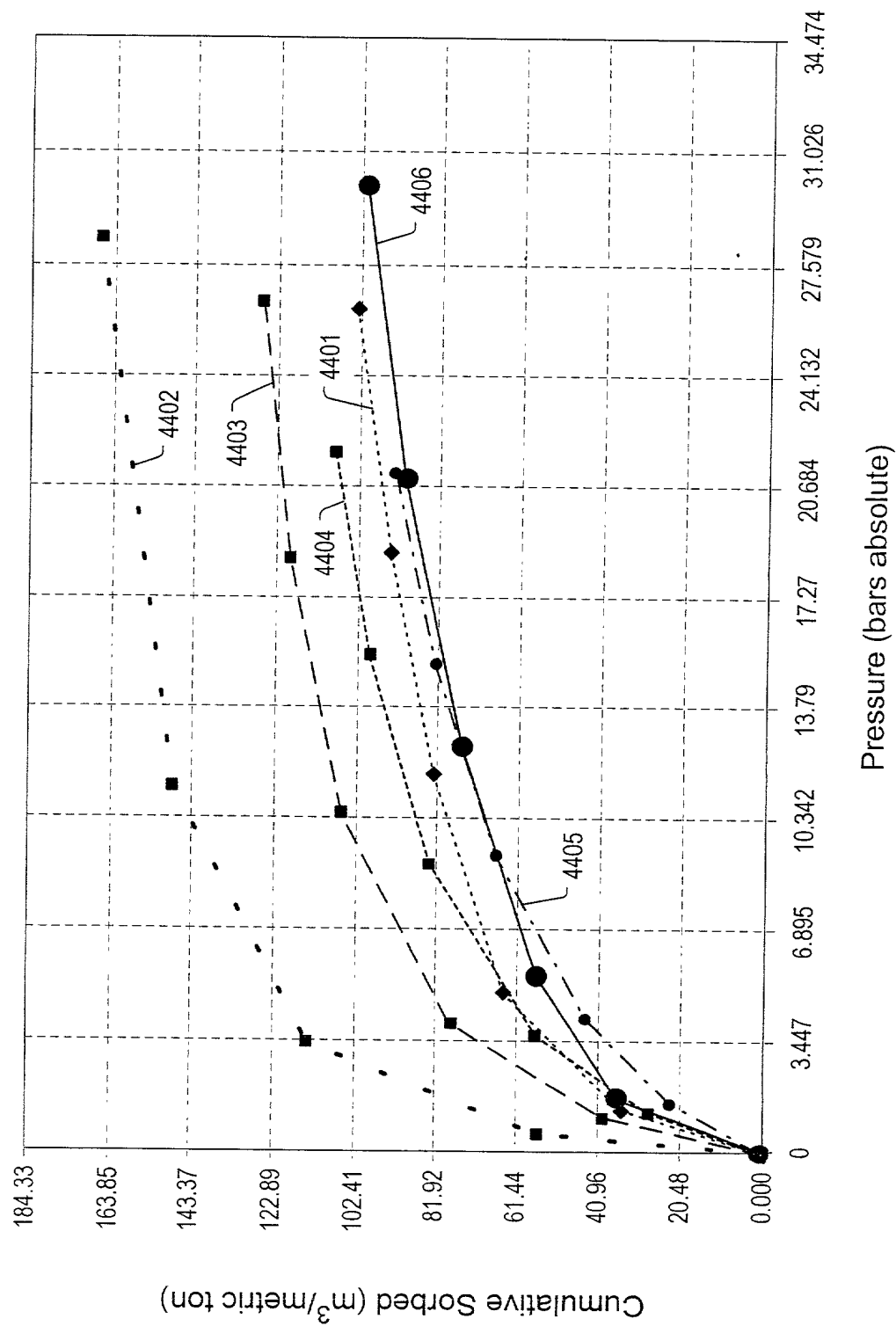


FIG. 127

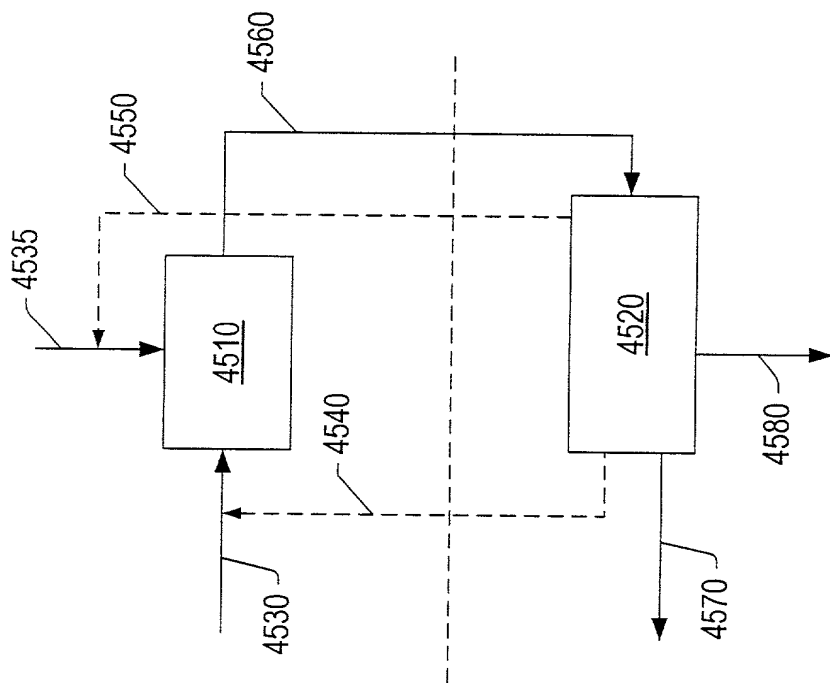


FIG. 128

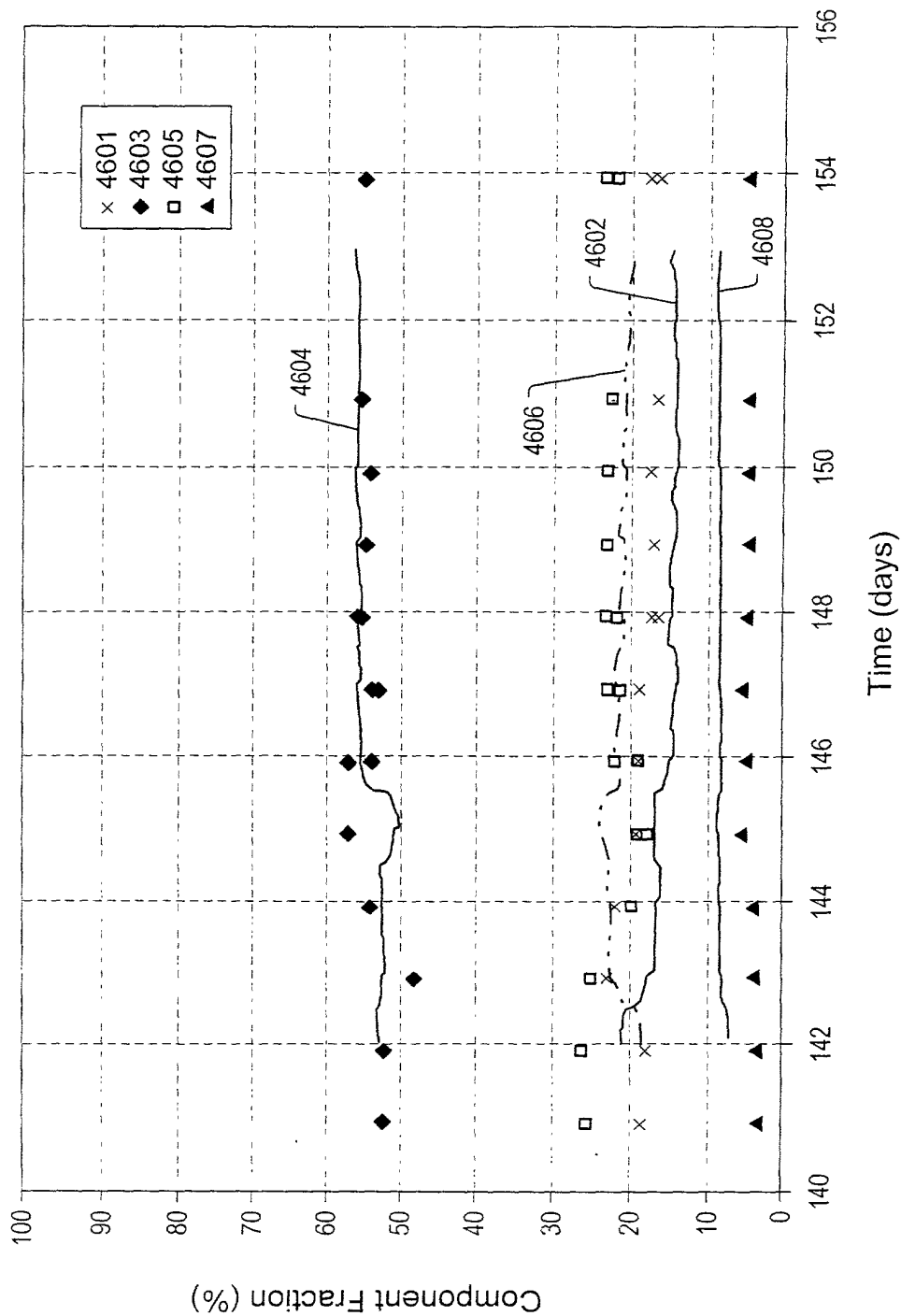
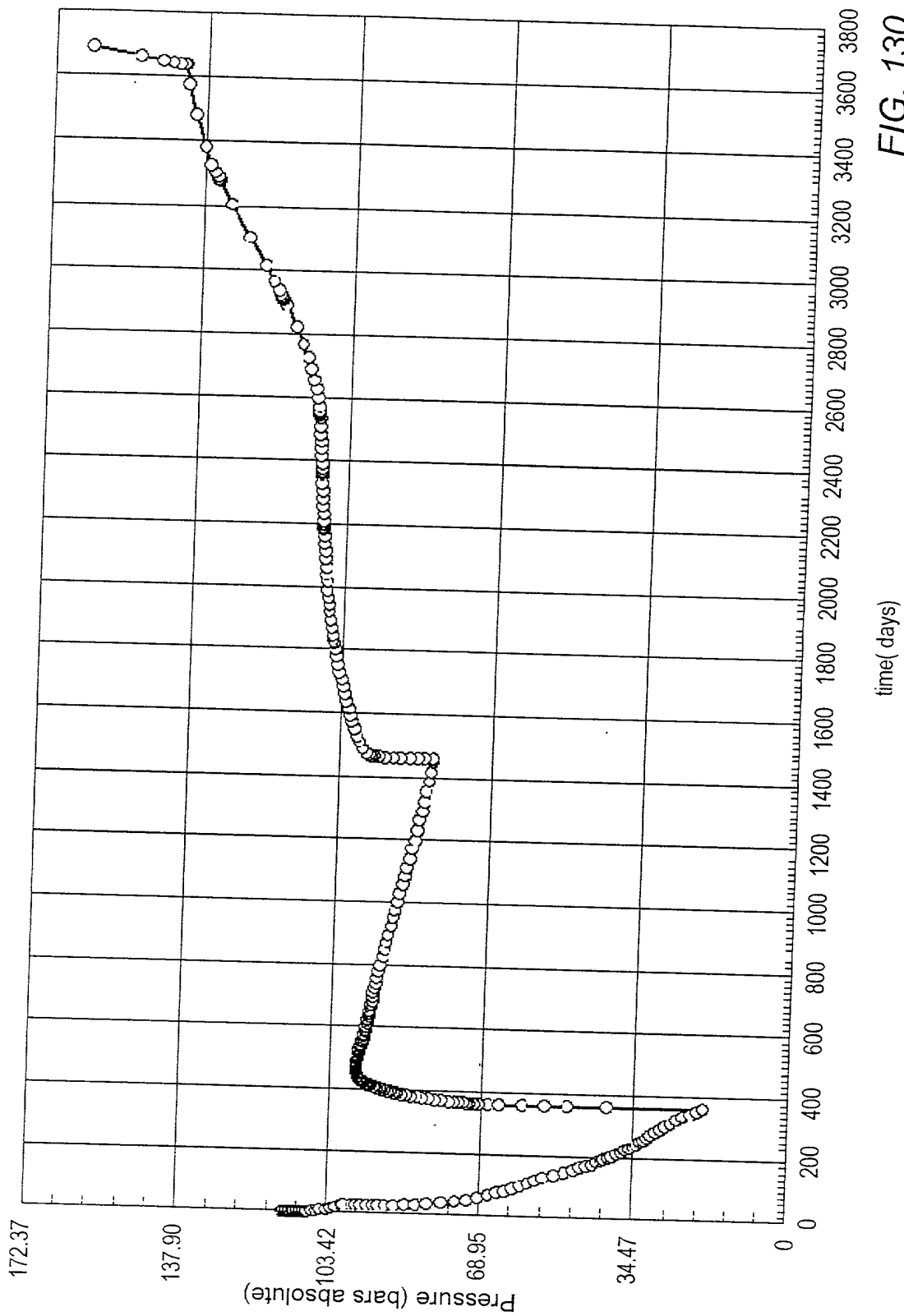


FIG. 129



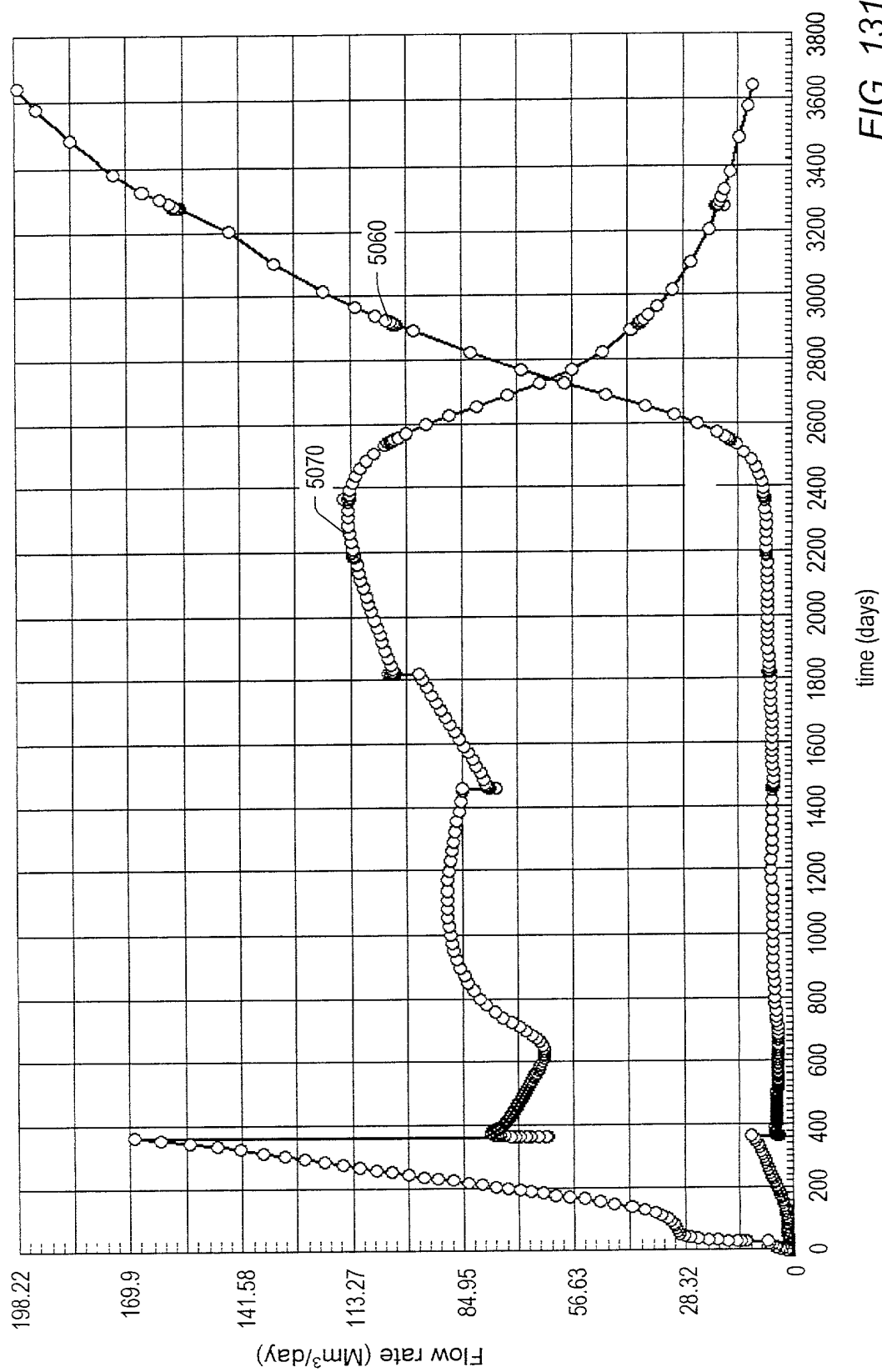


FIG. 131



FIG. 132

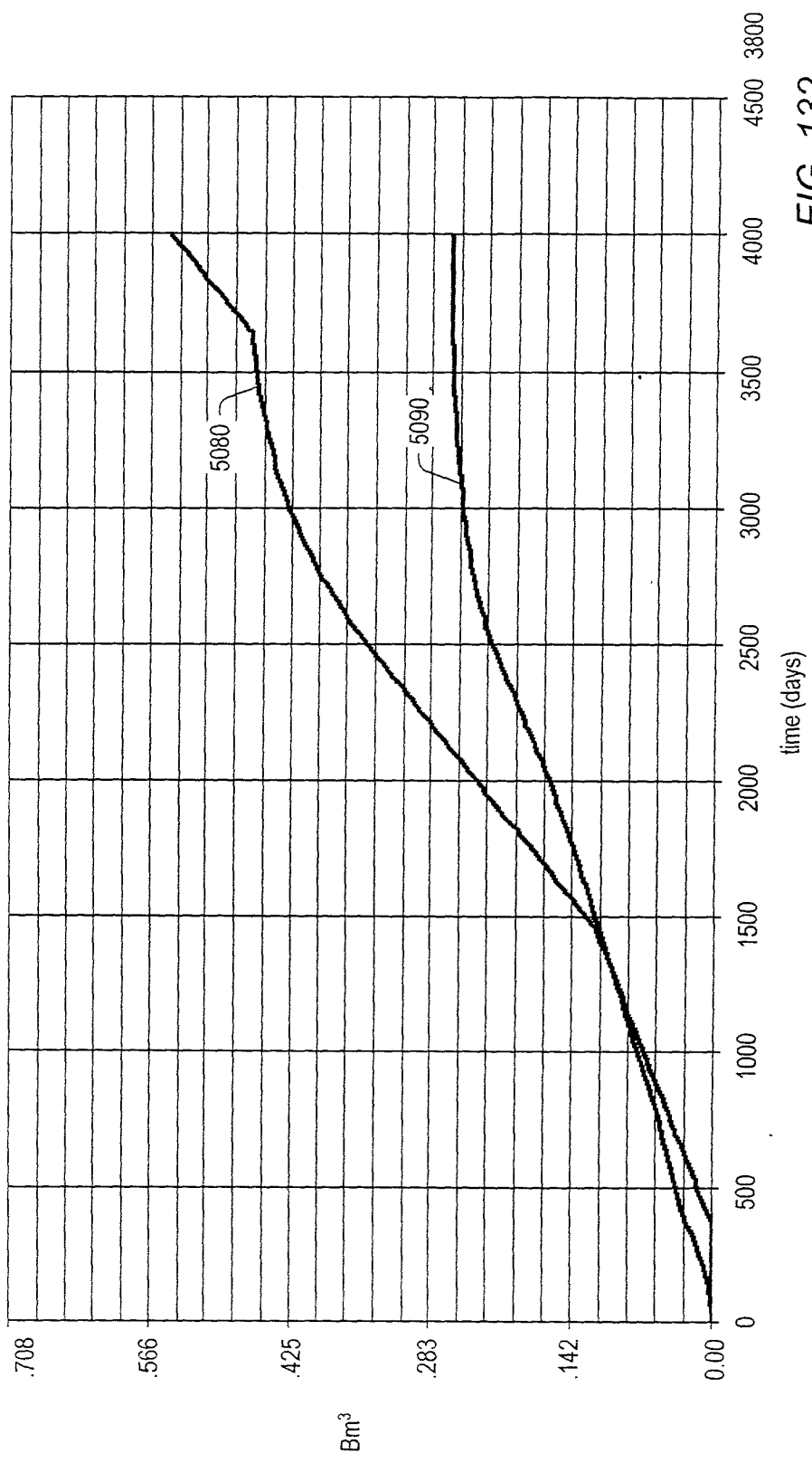


FIG. 132

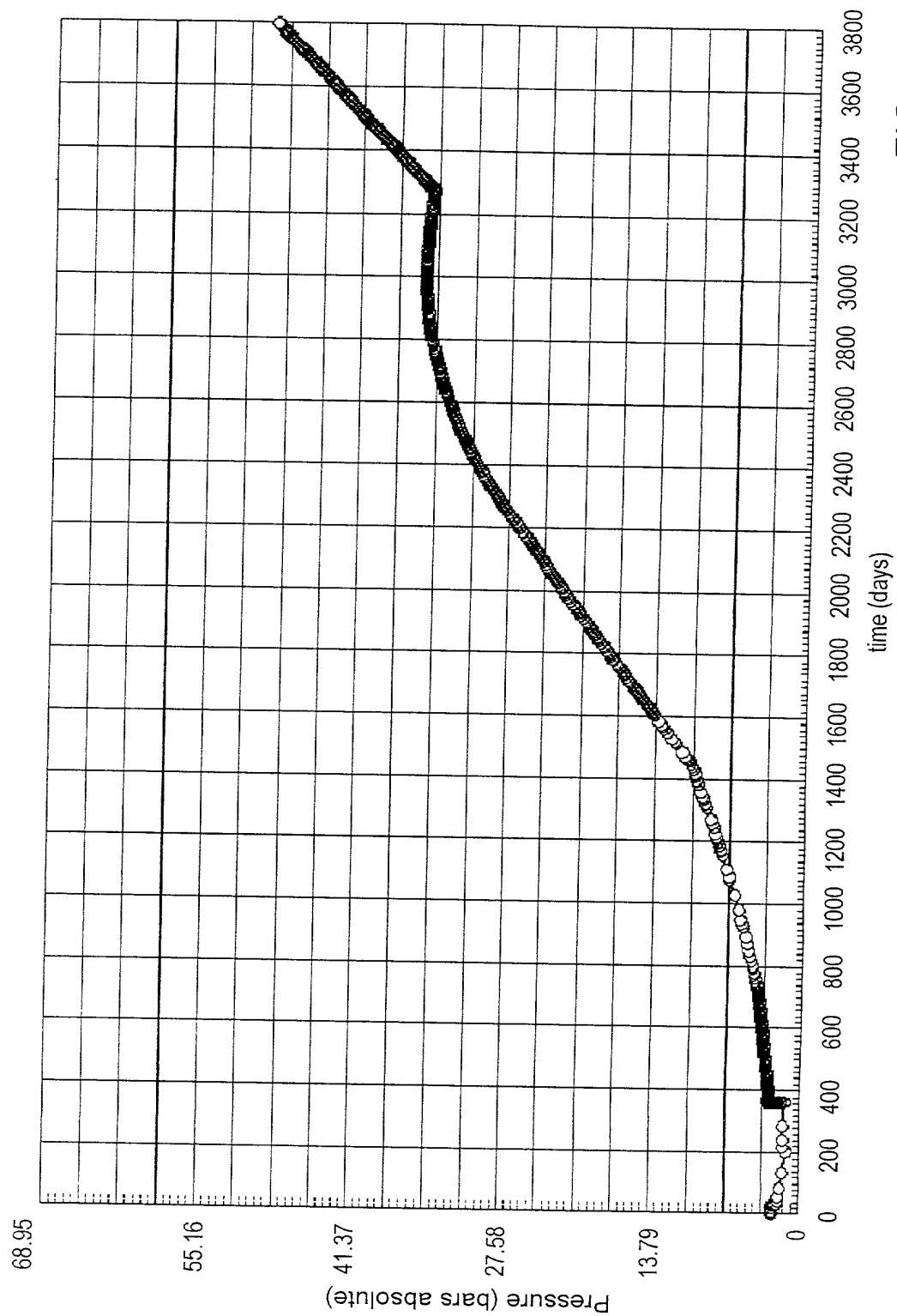


FIG. 133

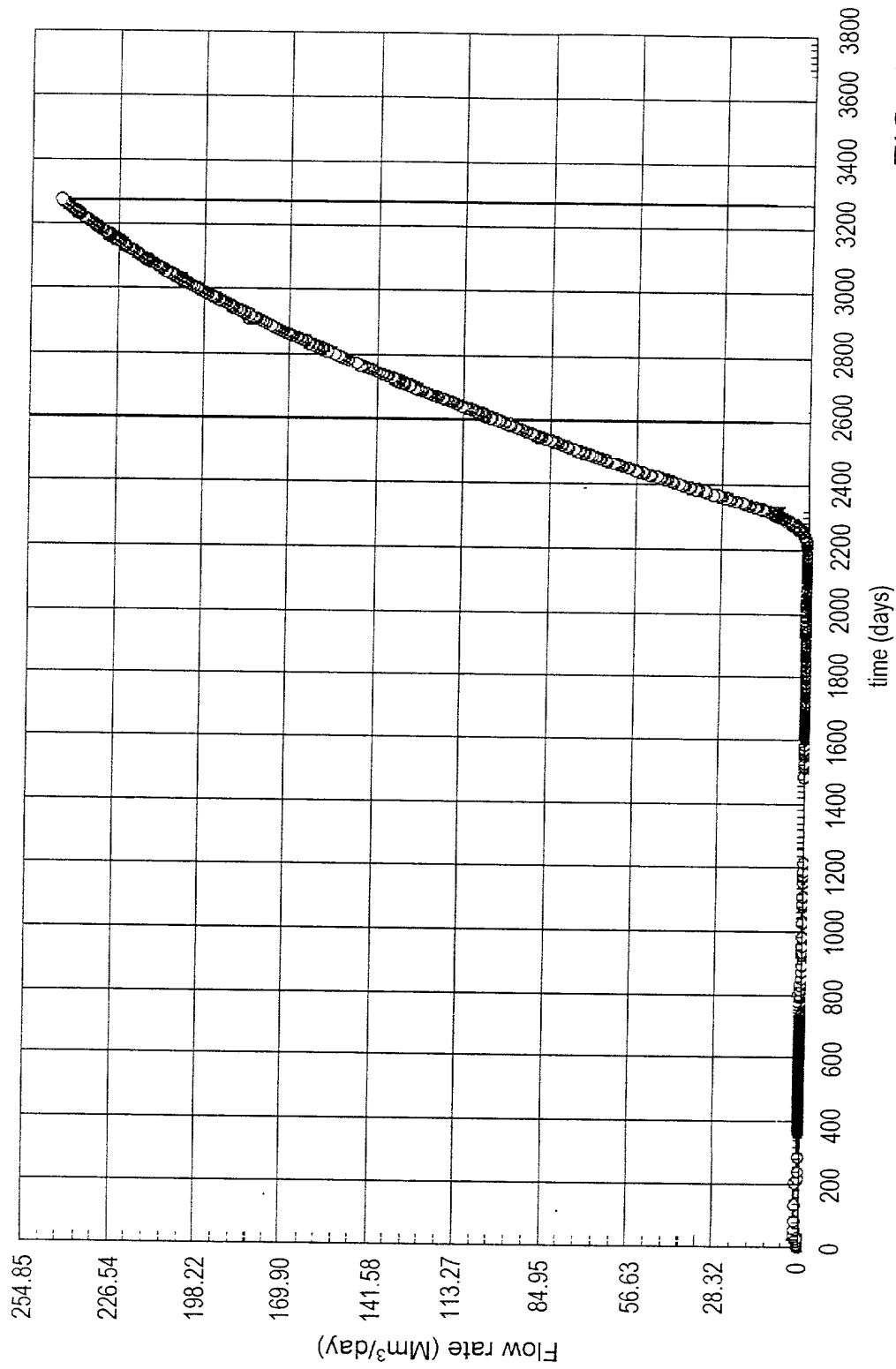


FIG. 134

FIG. 135

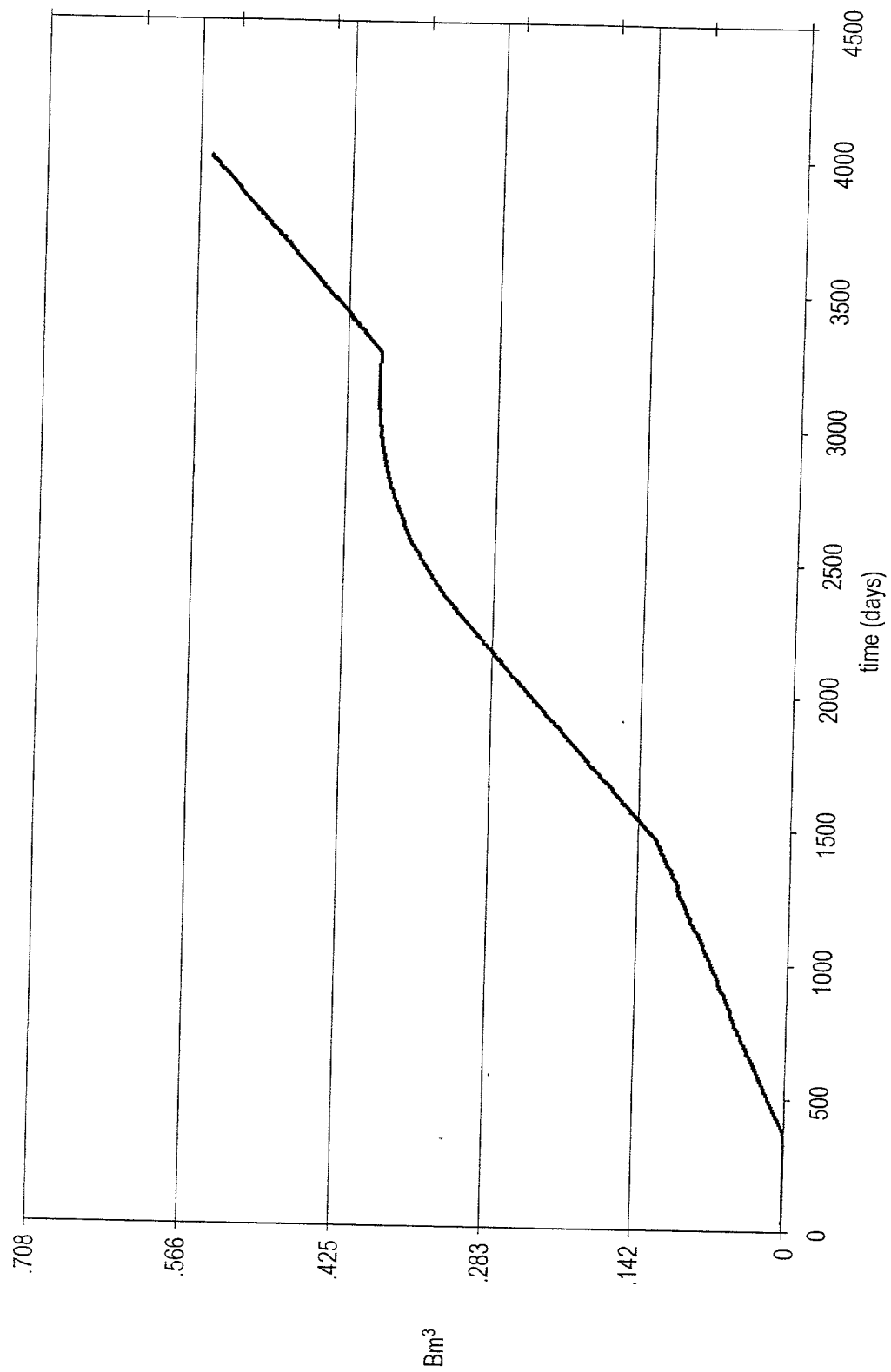


FIG. 135